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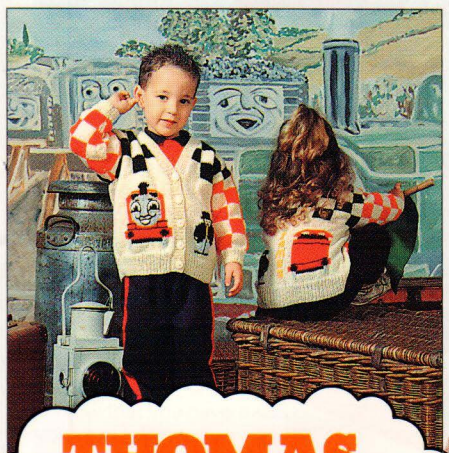

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Dear Readers

With the chill of winter firmly set in, now is the time to get down to some serious knitting. We have some lovely Fair Isle designs which, thanks to the two yarns being knitted simultaneously, should help you to keep the cold wind out!

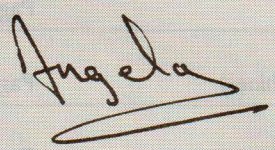
Curl up in front of the fire and enjoy a really good coffee time read in the Letters, hints and tips and Helpline features, or if you feel like learning something a bit technical, you can begin to learn all about the KR11 Knit Contour by following the first of three instalments. This excellent device allows us to draw garment patterns on to a graph sheet and keep track of the stitches and rows as we knit – it's brilliant!

We always enjoy experimenting on our machines and there is a wealth of inspiration to be found in Swatch spot this month. Follow Angie's instructions to try out some wonderful two layered samples.

With all this knitting to get through, throw a light on the needlebed and chase away the gremlins that cause all those annoying dropped stitches with a Daylight magnifying lamp. Try your hand at solving this month's competition and perhaps you will be one of five lucky readers to win a wonderful lamp.

I do hope that you enjoy this issue and find plenty to keep you busy at the machine. I am off to mine now, to 'experiment'.

Happy Knitting!



LETTERS, HINTS, TIPS & HELPLINE

Hazel Ratcliffe is Editor of our Letters Page and our Helpline feature. You can share your thoughts and ideas, hints and tips with her.

You can write to her direct, if you wish, at the following address:

Hazel Ratcliffe
144 Frant Road
Thornton Heath
Surrey CR7 7JU

Knitline

Keep in touch with the latest news and products for all knitters.

SPACE DYED MOSAICS

Space dyed yarns are excellent for creating the effect of multi-coloured Fair Isle with the minimum of yarn changing. **King Cole** have introduced **Mosaics** in five shades, Constable, Rembrandt, Gaugin, El Greco and Van Gogh. Mosaics comes in 50 gram balls of Double Knit thickness and 250 gram cones in four-ply.

ECO-FRIENDLY YARNS

If the mention of recycled yarns conjures up visions of elderly ladies pulling back last year's sweater into hanks of curly, kinked yarns ready for re-knitting, think again!

Evergreen produce a range of Double Knit, Aran and Chunky yarns in wool, wool/acrylic, cashmere/lambs wool, cotton/lambs wool and cotton/polyester. The colour range includes earthy greens and browns, denim blues, purple heather, crocus, cream and grey to name just a few.

These yarns are all available in 50 gram balls and, although intended for hand knitting, would be suitable for knitting by chunky or double knit gauge machine. Hand knitting kits are also available.

For further details, please write enclosing a stamped addressed envelope, to Evergreen, Albert Mills, Batley Carr, Dewsbury, West Yorkshire WF13 2HE.

ST. JOHN'S WOOLS

The 1993/4 catalogue of yarns and accessories for both hand and machine knitting and tapestry kits is available free to readers from **St. John's Wools,** P.O. Box 66, Limefield Mills, Wood Street, Bingley BD16 2BH.

Visitors are also welcome to call at their new Mill Shop which is open every week day. For directions please telephone Lisa on 0274 510566.

PATTERNS FOR HAND KNITTING

Machine knitters who also enjoy a little hand knitting around the fireside in the winter are sure to find a pattern to inspire them in the new leaflets designed by **Pat Menchini.** All garments are worked in King Cole Anti-tickle DK and include Fair Isle, lace, cables and textured stitches with some interesting edgings.

The double knit range will be available from good hand knitting yarn stockist and the four-ply from your local machine knitting shop.

WILLOW TREE KNITWEAR

Three new stitch pattern booklets have been introduced by **Willow Tree Knitwear,** book 21 for 12 and 24-stitch and electronic machines, book 22 for 40-stitch and electronic machines and book 23 for 24-stitch and electronic machines.

For further details of these and earlier booklets please send a stamped addressed envelope to Willow Tree Knitwear, Brookleigh, Viaduct Road, Garndiffaith, Pontypool, Gwent NP4 7PA.

RIVERSIDE SPINNING COMPANY

The popular machine knitting yarns which were marketed by Amberyarn are now available from **Riverside Spinning Company.**

The Mill Shop is open for sales of yarns/books and spinning demonstrations. Club visits are welcome by appointment.

The **mobile road show** will be travelling throughout England and details of venues can be obtained from the mill shop.

If you live too far from the mill and there is no visit planned for your area, you can order any of the popular range by mail order.

Write to Riverside Spinning Company, Dockfield Terrace, Shipley, West Yorkshire BD17 7AW or telephone 0274 596875.

MADEIRA THREADS CATALOGUE

The Yorkshire based company, **Madeira Threads (UK) Ltd,** who manufacture an extensive range of high quality embroidery and decorative sewing threads, have just introduced their first ever Kit Catalogue.

The catalogue shows, in beautiful full colour, the complete range of embroidery kits, including canvas work, Florentine and Jacobean crewel cushions, floral keepsakes, alphabet initials and traditional sampler designs.

The Madeira kits incorporate the very best of charted and printed stitchery and cross stitch designs at affordable prices.

The catalogue is available from stockists throughout the country for £2.50, or by post from Crafts Post Shop, P.O. Box 6, Thirsk, North Yorkshire YO7 3YX.

PEARL FINISH FABRIC PAINT

Have fun jazzing up some old knitwear, or jeans, or tee shirts or .... There are such a wide variety of fabric paints to choose from now and Dylon have introduced a new Pearl finish to their **Colour Fun Dimensional Fabric Paint** range. The iridescent pearl finish paints come in white, deep pink, sea blue, golden yellow and lilac.

The current range of fabric paints includes Glitter, Glossy, Puff as well as the new Pearl.

Colour Fun is available in easy-to-use 25ml bottles with full instructions on the back of every one. At 95p per bottle this is a great way to brighten up your winter wardrobe!

Colour Fun is widely available in haberdashery and craft shops throughout Britain, sometimes with weekend or school holiday demonstrations.

ALL STITCHED UP

A new range of completely British-made sewing needles are now available under the brand name Madeira.

The needles, including embroidery, tapestry, quilting, darning and beading needles are made of finest Sheffield steel and are available in handy packs which contain from six tapestry needles to 20 quilting needles, from retailers.

DUSTBUSTERS

Were you one of the frantic knitters who had to pack up their machine for Christmas, but had no time to clean it first?

Treat yourself to a late Christmas present (and one that himself will approve of) with a Black and Decker Dustbuster to whisk away the fluff build-up in seconds!

They are smaller than a normal vacuum cleaner, but quick and efficient to use – there is even a crevice tool and an upholstery brush. The Super Spillbuster has a squeegee attachment especially for coping with spilled liquids – but of course we do not require this model as we would never put liquids near our beloved machine, would we?

There are seven different models to choose from, which means there is one to suit every pocket and every job and they can be found in your local Argos, department store or high street electrical shop.

DINOSAUR LEAFLETS

A leaflet of eight Dinosaur patterns, four for punch card machines and four for electronics, is available from M.K. Publishing, 55-57 Hamlet Court Road, Westcliffe on Sea, Essex SS0 7EY at a cost of £2.00 including postage.

SIMPLY PLAIN

Chunky knitters will be pleased to learn that **Simply Plain Book 3,** Women's Double Knit Sweaters and Cardigans and **Book 4,** Men's Double Knit Sweaters, Cardigans, Slipover and Waistcoat are now available.

These books include raglan, set-in and drop shoulder styles. While they are written specifically for the Singer chunky machines, all other 9mm gauge chunky machine knitters should be able to obtain the correct tension and therefore use the knitting instructions.

Yarns used by the author are all standard hand knitting double knit yarns on 50 gram balls, but it should be possible to substitute a coned double knit yarn if you match the tension.

Each book retails at £3.75 including postage and they are available from Jennie Kelberman, 53 Newark Road, South Croydon, Surrey CR2 6HR.

WINTER COLLECTION

This is the latest collection of garments by **Ann Durkan. Winter Collection** is a set of woven garments including a long classic coat with scarf neckline, a waistcoat and two skirts.

The patterns, which are all presented in Ann's popular 'Ladder method', are knitted in Forsell two-ply pure wool and Forsell Touch of Silk.

The pattern book costs £6.50 from Ann Durkan, Michaelmas Cottage, Twineham, West Sussex RH17 5NN.

6 ▶

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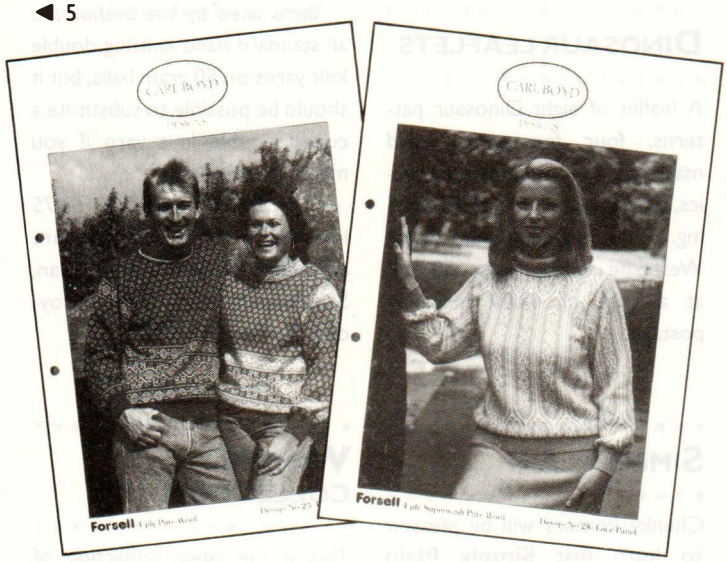
D4



CARL BOYD DESIGNS

Carl's simple classic styles in Forsell Yarns always feature a new collar or neck band. The latest set of eight designs is no exception.

Persian Border is a five colour Fair Isle design with deep borders reminiscent of Persian carpets. **Greek Lotus** is a woman's set-in sleeve sweater with deep Fair Isle border and Fair Isle roll neck featuring lotus flowers. **Meadow Sweet, Lace Panel** and **Terrazzo** are two-colour Fair Isle designs, each featuring a different collar/band. **Clotted Cream** is a deeply textured tuck and rib panel sweater with pointed deep roll collar. **Paul** is a traditional looking man's cardigan in five shades of pure wool. The last of these designs is **Dawn**, a reverse stocking stitch sweater with embossed rib borders and collar.

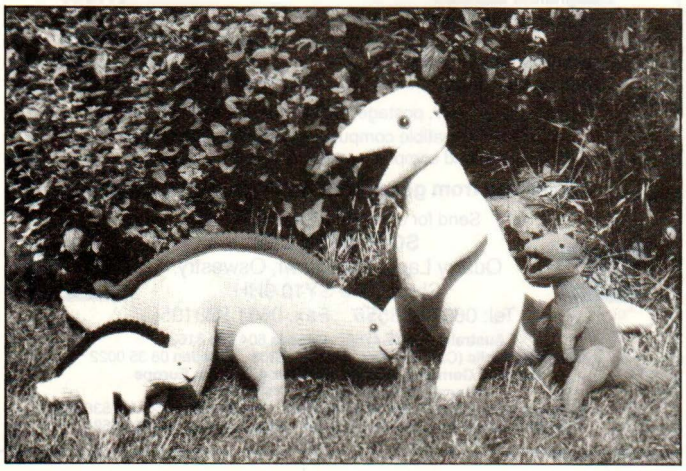
The complete set of eight designs cost £6.75 including postage and a single design is 95p plus a first class stamp for postage. They are available from Carl Boyd Design, 1 Coulsons Place, Penzance, Cornwall TR18 4DY.

PLAYFUL PETS

Penguins and Owls in the form of knitted soft toys, cushion covers, hot water bottle covers or pyjama cases are the cuddly companions featured in one of the latest **Pippin Design books.**

Dinosaurs, both friendly and ferocious looking, feature in the other, which will appeal to everyone who is still engulfed in dinomania.

Each pattern booklet costs £2.50 plus 50p postage, or send a large stamped addressed envelope for a brochure to Ruth Cox, Pippin Designs, 22 Clifton Road, Dunstable, Bedfordshire LU6 1LU.



E6000 PROGRAMMING

The E6000 Knitting Machine by **Irene Krieger** is a must for anyone struggling to understand the Console programming.

The book, which is an updated version of an earlier one written by Irene in association with George Le Warre, will help you through the basics of entering a simple Basic Programme and Knitting Programme.

It then explains, in plain English, how to change directions, colour reverse, add, superimpose, change a pattern and everything else that can be done with the console.

The section on Care and Maintenance will ensure that your machine is kept in good working order (of course you must actually do as suggested and not just read how to!) and includes the between-garment quick brush up and the regular annual 'big clean'.

The new updated version has a completely different layout and contains more diagrams and explanations than the original version, to make it even easier to understand.

Send for your copy with a cheque for £9.50 including postage to Irene Krieger, 19 Merton Hall Gardens, London SW20 8SN.

PUSHER PATTERNING

Readers with a Passap or Pfaff machine wanting a book of easy to knit patterns in readily available branded yarns will find **Purely Pushers** by **Helen Burke** is just what they are looking for.

This pattern book contains ten garment patterns featuring texture and colour effects which are all created using only the pushers. Of course, this means that it is suitable for the early Pink machines, Duomatics and Electronics.

Helen tells us why we are knitting a certain welt or stitch pattern, as well as giving a description of the patterning and the actual garment pattern. This is very useful to new knitters as we learn so much more by knowing why we are doing something instead of just blindly following instructions.

Each pattern is accompanied by a black and white photograph of the knitted fabric and a line drawing of the garment style.

To obtain a copy of this book please send a cheque for £7.95 to Helen Burke. Helen Burke Designs, Church Farmhouse, Stainton-by-Langworth, Lincoln LN3 5BL.

ANGORA THERMALS

Have you ever seen a cold rabbit? Keep out the winter chill by adding layers of warmth with **Orkney Angora** thermal clothing. From Long Johns to Balaclavas, vests to lace scarves there will be something to 'tickle your fancy' in the Orkney Angora 1993/4 mail order catalogue.

Send for the Yarn and Knit Kit catalogue for £2.00 including postage and ask for a free copy of the Thermal Clothing Catalogue to be included. From Orkney Angora, Sanday, Orkney KW17 2AZ.

FINE SEWING

Many knitters are dressmakers too and will welcome **Fine Sewing,** an annual publication from **Vogue Patterns** that aims to 'fine tune' your sewing skills.

The 128 page magazine is packed with technical articles on Fashion and Fit, news on today's fibres and fabrics, sewing aids and environment, sewing for festive occasions, fashion comparisons and a guide to top of the range sewing machines and overlockers.

Available from your local stockist at £2.25.

SEASONAL VARIATIONS

The new book of hand knitting patterns, **Variations** by **Patricia Roberts** contains over 50 seasonal designs.

The designs are arranged seasonally and feature delicate Patchwork Roses, versatile Paisley, autumnal Cats and colourful Abstract.

Over 23 master patterns have been developed into over 50 variations by altering sleeve and body lengths, using different colourways and changing jumpers into jackets, T-shirt or waistcoat. Advice is given on the use of different materials, for example exchanging wool for cotton or cashmere.

The photography is excellent and we are sure that many knitters will be inspired by the wonderful colours, perhaps also trying out variations on some of their own designs.

Variations is a soft cover A4 book and is available from book sellers at a cost of £12.99, ISBN 1-85029-579-4.

Anchorage Crafts

Sue Dowdell, who is a very enthusiastic machine knitter, runs a small friendly shop in Greatsone, where you can buy yarns by Bramwell, Denys Brunton, Forsell and Yeoman, patterns and accessories.

The shop is open Tuesday to Friday from 10am to 4pm, but Sue is very obliging, if you desperately require a cone of yarn at any other time, just give her a ring on 0679 62516 and, if she is there she will open the shop for you.

Sue also runs the local knitting club and is always willing to offer help and advice to struggling knitters. So, if you have a little problem or just want to nosey around, call at 274 The Parade, Greatsone, Romney Marsh, Kent. Clubs wanting to visit as a group should call first so that the kettle can be put on to boil!

Studio by White Design

Studio by White (Silver Reed in U.K.) have a twice annually publication **edited by Susan Guagliumi.** The magazine is full of patterns which combine interesting and unusual techniques.

The Fall/Winter issue includes an evening jacket with little pockets knitted in a fine yarn and filled with sequins, a lace jacket with sparkle added in blobs of Jones Tones glitter, a sweater with a lovely tulip edging and lots of travelling stitches and popcorns (bobbles) and a fabulous sweater with deeply textured yoke constructed from individual hexagonal punch lace motifs.

For details of how to obtain a copy please write to Studio Knitting Machines, 11760 Berea Road, Cleveland, OH 44111, U.S.A. Canadian readers write to Studio by White Knitting Machines 1470 Birchmont Road, Scarsborough, Ontario M1P 2G1.

Geometric Designs

Jane Huntingford has a new set of Geometric Designs available. **Set G** contains six designs which are all architecturally inspired.

Jane's designs are all small based geometric patterns which appeal equally to men, women and children and have relatively short floats.

There are now seven sets of designs, A to G. For details please send a stamped addressed envelope. To order please send a cheque for £2.50 plus 50p postage for each booklet. If ordering more than one booklet just add 20p extra postage for each additional booklet. From Jane Huntingford, 36 Brooklands Avenue, Crowborough, East Sussex TN6 3BP.

New Yarn and Pattern Books from Denys Brunton

Cotton Sensation is a new 65% Cotton and 35% Acrylic, four-ply yarn which can be knitted alone, or combined with the ever popular Magicolour and Delux.

The **Pattern Books, 18 and 19,** feature designs from four new designers who have used some interesting techniques.

Stitch patterns for both books are available on one disk for use with either the Brother Disk Drive or DesignaKnit.

Available from most stockists, the books retail for £3.25 and the disks for £3.50.

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James the Red Engine

Delight little ones with a cardigan in Robin DK featuring James, from Thomas the Tank Engine & Friends.

pattern 1

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for 6.5 mm double knitting machines with intarsia facility.

MATERIALS
Robin New World DK. (Yarn Guide No. 14.)
2 [3, 3, 3, 4] x 50g balls in Cream (A).
1 x 50g ball in Black (B).
1 x 50g ball in Red (C).
A small amount in Grey (D), Yellow (E) and White (F).
Pair of 3¼ mm knitting needles.
3¼ mm circular knitting needle.
4 [4, 5, 5, 6] buttons.

The fibre content of this yarn is 75% Acrylic, 25% Wool. For further information about this yarn, please write to the following address:- Robin Wools, Leeds Road, Greengates, Bradford BD10 9TE.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit chest 51 [56, 61, 66, 71] cm, 20 [22, 24, 26, 28] in.
Actual size 55 [62, 68, 71, 79] cm, 21½ [24½, 27, 28, 31] in.
Length to shoulder 30.5 [34, 38.5, 42, 46] cm, 12 [13½, 15, 16½, 18] in.
Sleeve seam 19 [22, 24, 28, 32] cm, 7½ [8½, 9½, 11, 12½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
22 stitches and 30 rows to 10 cm, 4 in measured over stocking stitch and intarsia (tension dial approximately 5).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment. Always twist yarns together when changing colours in intarsia to prevent a hole forming.

BACK

Push 63 [71, 77, 81, 89] Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using A, K 2 [2, 4, 4, 4] rows. Cont in intarsia from chart A, K 36 rows. Cont in st st and A, K 6 [10, 12, 20, 28] rows. Cont in intarsia from chart C, K 36 [42, 46, 48, 52] rows. RC shows 80 [90, 98, 108, 120]. Cast off.

LEFT FRONT

Push 29 [33, 36, 38, 42] Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using A, K 2 [2, 4, 4, 4] rows. Cont in intarsia from chart B, K 40 rows. Cont in st st and A, K 2 [6, 8, 16, 24] rows. RC shows 44 [48, 52, 60, 68].

Shape Front Edge
Cont in intarsia from chart C, dec 1 st at right edge on next and every foll 4th row until 20 [23, 25, 26, 29] sts rem. K 3 [5, 5, 3, 3] rows. RC shows 80 [90, 98, 108, 120]. Cast off.

RIGHT FRONT

Work as for left front, reversing shapings by reading left for right.

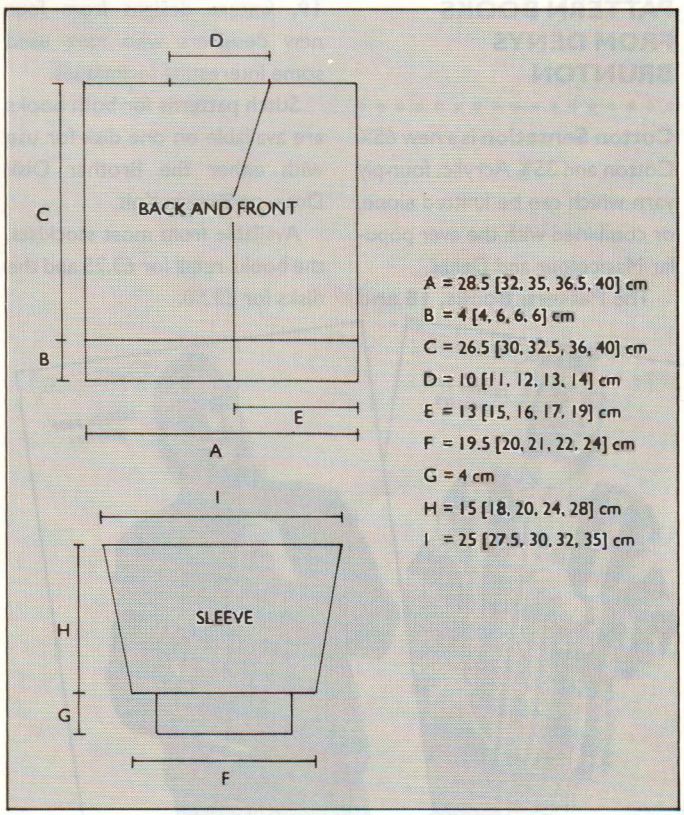
SLEEVES

Push 43 [45, 47, 49, 53] Ns to WP. Using MT and WY, cast on and K a few rows, ending with carriage at right. Set RC at 000. Cont in intarsia from chart C using C instead of B, K 4 [6, 4, 2, 4] rows. Shape sides by inc 1 st at each end of next and every foll 6th [5th, 5th, 6th, 6th] row until there are 55 [61, 67, 71, 77] sts. K 10 [12, 10, 9, 13] rows. RC shows 45 [54, 60, 72, 84]. Cast off.

BACK WELT

With P side facing and using 3¼ mm needles, pick up 63 [71, 77, 81, 89] sts along lower edge. With K side facing and using A, K 1 row.

1st Rib Row: P 1, * K 1, P 1; rep



10 ▶

Reproduced courtesy ROBIN Wools.

pattern 1

James the Red Engine

◀ 8

from * to end.
2nd Rib Row: K 1, * P 1, K 1; rep from * to end.
Rep these 2 rows until welt measures 4 [4, 6, 6, 6] cm, 1 1/2 [1 1/2, 2 1/2, 2 1/2, 2 1/2] in. Cast off in rib.

FRONT WELTS

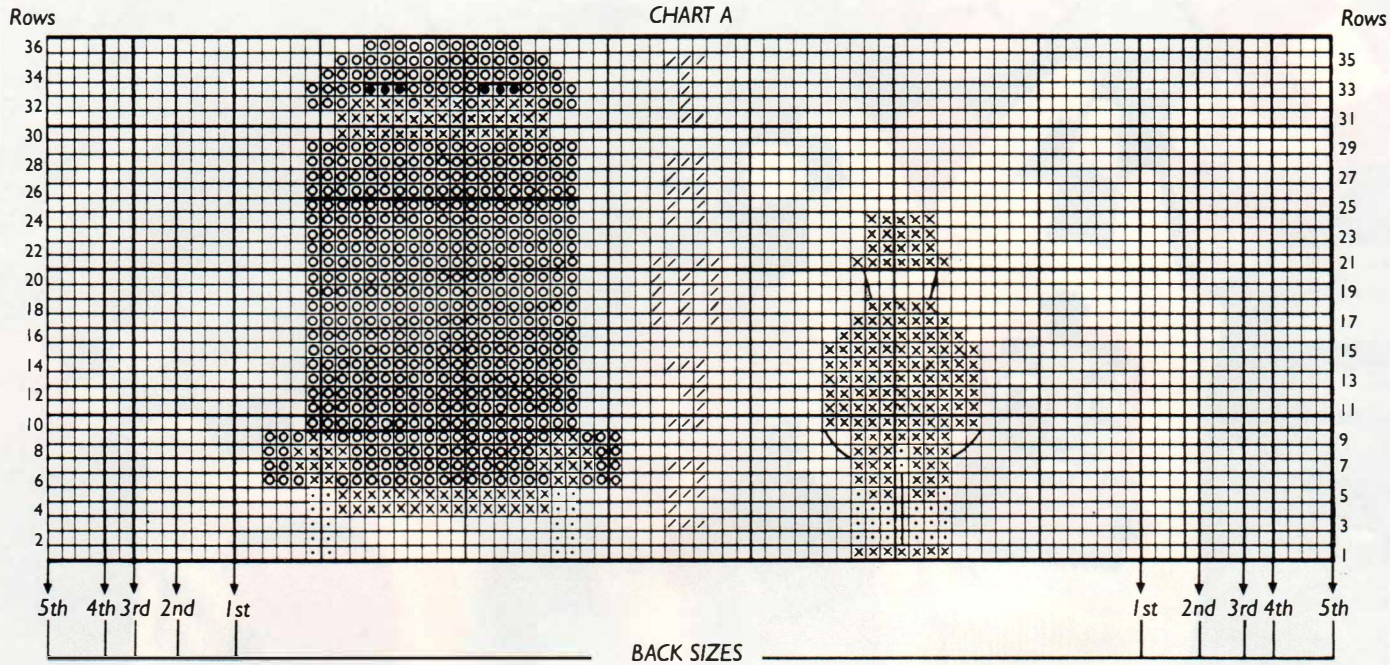
With P side facing and using 3 1/4 mm needles, pick up 29 [33, 36, 38, 42] sts along lower edge. With K side facing and using A, K 1 row. Dec 1 st at side edge on 3rd, 4th and 5th sizes. 29 [33, 35, 37, 41] sts. Cont in rib as for back welt until welt measures 4 [4, 6, 6, 6] cm, 1 1/2 [1 1/2, 2 1/2, 2 1/2, 2 1/2] in. Cast off in rib.

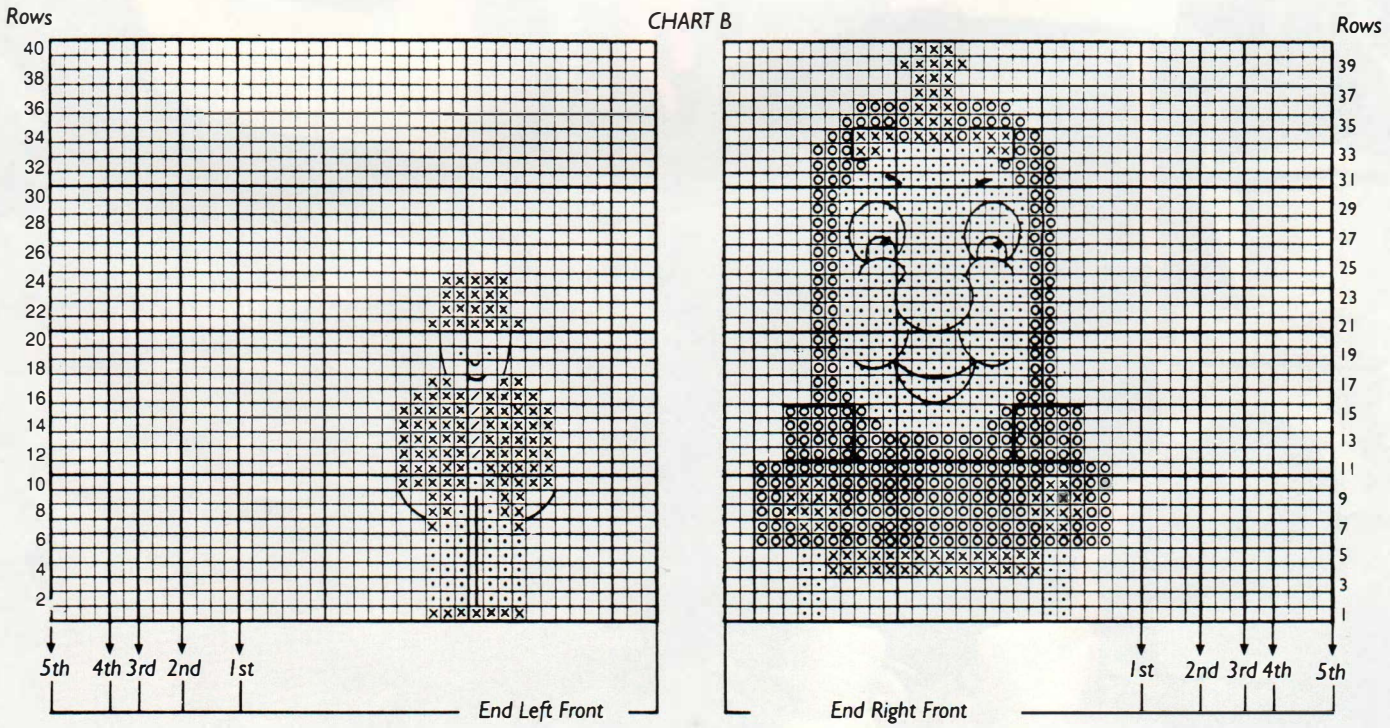
CUFFS

With P side facing and using 3 1/4 mm needles, pick up 43 [45, 47, 49, 53] sts along lower edge of sleeve. With K side facing and using A, K 1 row, dec 8 [8, 8, 8, 10] sts evenly. 35 [37, 39, 41, 43] sts. Cont in rib as for back welt until cuff measures 4 cm, 1 1/2 in. Cast off in rib.

FRONT BORDER

Join shoulder seams. With K side





KEY

- = Cream (A)
- = Red (C)
- = Grey (D)
- = White (F)
- = Black (B)
- = Yellow (E)

Britt Allcroft's Thomas the Tank Engine & Friends Based on The Railway Series by the Rev W Awdry
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facing and using 3½ mm circular needle and A, pick up and K 10 [10, 14, 14, 14] sts along right front rib, 40 [43, 46, 54, 60] sts along straight edge, 32 [37, 41, 42, 46] sts along shaped edge to shoulder, 23 [25, 27, 29, 31] sts across back neck, 32 [37, 41, 42, 46] sts along shaped edge of left front, 40 [43, 46, 54, 60] sts along straight edge and 10 [10, 14, 14, 14] sts along rib. 187 [205, 229, 249, 271] sts. Cont in rib as for back welt, work 3 rows for girl or 2 rows for boy.

1st Buttonhole Row: Rib 4, * cast off 2 sts. Rib until there are 12 [13, 11, 13, 11] sts on right-hand needle after buttonhole; rep from * 2 [2, 3, 3, 4] times more, cast off 2 sts, rib to end.

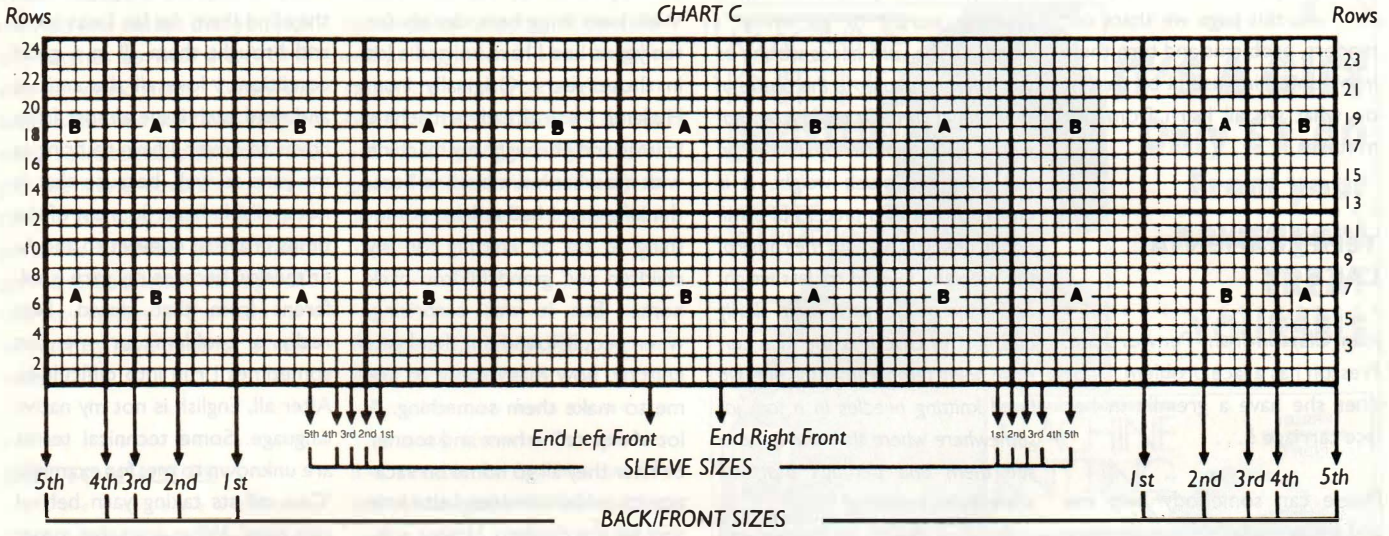
2nd Buttonhole Row: Work in rib, casting on 2 sts over those cast off in previous row. Work 3 rows for girl or 4 rows for boy. Cast off in rib.

PRESSING

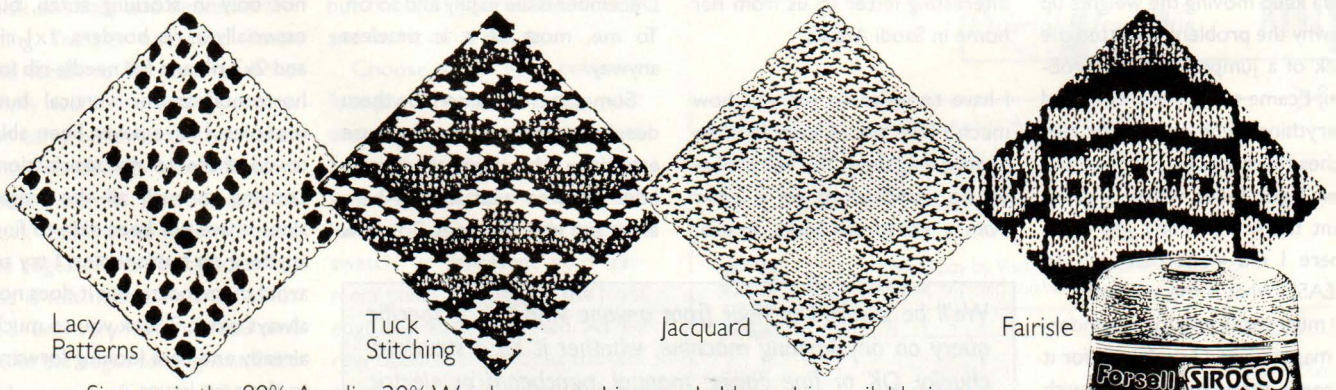
With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on ball band.

MAKING UP

Set in sleeves, matching centre to shoulder seams. Join side and sleeve seams. Sew on buttons. Using colours as indicated, embroider face and features as shown on chart.



DO MORE, KNIT MORE WITH SIROCCO



Sirocco is the 80% Acrylic, 20% Wool yarn from Forsell.

Because it knits like a 3-ply, Sirocco is ideal for lacy patterns, tuck stitching, Jacquard and Fairisle. It also makes Sirocco a good choice where colour changes are necessary. And it makes Sirocco a very economical yarn because it goes further.

Sirocco comes in 400g cones, is fully machine washable and is available in an attractive range of colours. It is particularly well suited for use on Duomatic and other double-bed machines.

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Helpline

Don't struggle alone with your problems, write to our helpline for some expert advice. Hazel will be very pleased to hear from you.

A problem shared is a problem halved and on this page we share our readers, problems and turn them into something useful by passing on what we all learn from our mistakes.

TEMPERAMENTAL LACE

Joan Clayton from Penwortham, Preston has a lace problem . . . or does she have a gremlin in her lace carriage ? . . .

Please can somebody help me and explain why my lace carriage is so temperamental? Why does it work perfectly and then put extra holes in a row and then it stays in that mood for a few rows before behaving itself properly again? I've cleaned it, oiled it, praised and cajoled it and yes I've even threatened it, all to no avail. It just does what it wants. I've no bent needles, it is well weighted and I keep moving the weights up so why the problem? I knitted the back of a jumper with no problem; I came to knit the front and everything went wrong. For two inches there was no problem and then I got holes where I didn't want them and didn't get holes where I did want them . . . so PLEASE, what is the answer?

I must thank you for a wonderful magazine and I can't wait for it to come, then I can sit down with a cup of coffee, relax and enjoy myself.

P.S. My machine is a Knitmaster 360 with ribber and I do remember to bring my lace over the ribber.

I know the feeling and it is very frustrating when there seems to be no special pattern to what is happening. The only clue that seems to emerge is the fact that you have already knitted quite a lot before anything started to go wrong. I wonder if the yarn needs waxing as you have got nearer to the centre of the cone of yarn. Or could it be that with a lesser number of stitches on you have too much weight. It is always a case of a process of elimination until you find out the cause of the problem. I would try less weight and waxing the yarn, knit slowly and, just in case it is the lace carriage being temperamental, put two hand knitting needles in a jam jar somewhere where the carriage can see them and perhaps that will scare it into behaving!

Seriously though, try the wax and less weight and let us see if any readers can come up with any other suggestions.

A LETTER FROM SAUDI ARABIA

Mrs Joann den Dulk wrote a very interesting letter to us from her home in Saudi Arabia.

I have to write to tell you how much I love the *Modern Machine Knitting* magazine. You will probably be surprised to get a letter from a knitter in Saudi Arabia. You would think that this is a country too hot for knitwear. Well, I am living here already for ten years, and I have knitted a lot in those years. Originally from Holland, I was already a machine knitter and I brought my machine with me when we moved to here, thinking that I had at least something to do by knitting for my children and grandchildren back home. But it was surprising, when people found out that I was knitting, how many came to ask me to make them something. A lot of expats live here and sooner or later they all go home on vacation to colder climates. I also knit toys for the children. I have a subscription for your magazine since 1990 via a knitting studio in Holland. They are sent to my home address in Holland and once in a while when we are going home for a vacation I can pick them up and have a lot to read and see coming back here. It is so inspirational! It doesn't matter at all to me that I get the Christmas/December issue in July and so on. To me, most of it is timeless anyway.

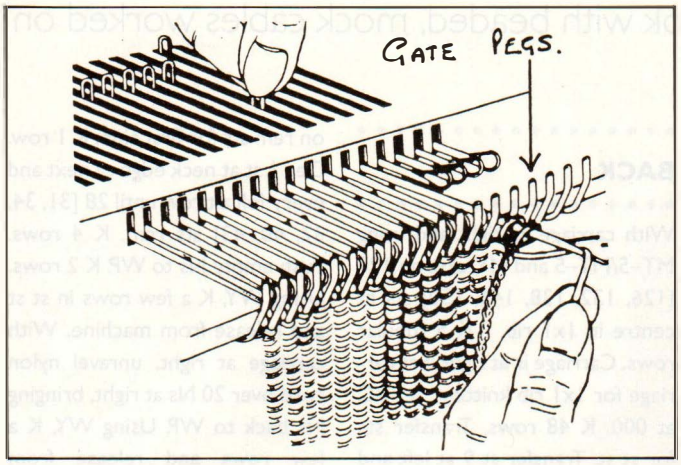
Sometimes I have to hide them deeply in my suitcase, because especially the summer issues have pictures with lots of bare arms and low necklines. To show that is absolutely forbidden here. Customs will tear the pages out if they find them. So far, I was lucky and brought them all in a good condition. I love all the articles and read each issue almost from cover to cover. I have to bring in my yarn as well, because that is not available here. So most of the times I have to convert to another tension because my yarn is different from that stated. Not really a problem for me but sometimes I run into difficulties. After all, English is not my native language. Some technical terms are unknown to me, for example: 'Cast off sts taking yarn behind gate pegs'. What does that mean, can you explain that please? In all your patterns is a way of giving the increasing/decreasing like: 1S2Rx6/2S2Rx3/14S2Rx1. I think I know what you mean by that, but please could you let me know exactly. There is still another favour I would like to ask. Can you give an article on explaining how to make nice buttonholes, not only in stocking stitch, but especially in rib borders, 1x1 rib and 2x2 rib and full needle rib for horizontal and/or vertical buttonholes. I have never been able to do these to my satisfaction. Looking through all the magazines I have not been able to find anything on buttonholes. I try to avoid them mostly but it does not always work. Thank you so much already and I am looking forward to the next issues.

Thank you for your letter Joann, I am sure that our readers have found it as interesting as we did here in the office . . . imagine having your knitting patterns confiscated!!

We'll be pleased to hear from anyone who has a specific query on any knitting machine, whether it be a standard, chunky, DK or fine gauge; manual, punchcard or electric model. Your questions might concern a knitting technique, patterning query, use of one of the accessories, or a general problem you are experiencing. Don't forget, it doesn't matter whether you are an experinced knitter or just starting out as a beginner to machine knitting – your query might help others too! Please send your letters to Hazel Ratcliffe at Modern Knitting Helpline, MMK, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW. We'll send a Modern Knitting binder to readers whose letters we publish.

THE GATE PEGS

Casting off round the gate pegs gives you an even, not too tight cast off. Above is a diagram of the gate



pegs. To cast off round them means to take the yarn round the back of them as you move from one stitch to the next. This leaves the knitting sitting on the gate pegs and so makes sure that each cast off stitch is the same size. When the whole row is cast off, all you have to do is lift the work off the gate pegs. You can use this method whether you are casting off just a few stitches or the whole row. It really doesn't take any longer and it gives a much stretchier cast off edge. The gate pegs are also called the sinkers or sinker pins. I hope that the diagram makes it clearer for you.

The increases and decreases would read as follows: plus or minus one stitch every two rows, six times. Plus or minus two stitches every two rows, three times and plus or minus 14 stitches every two rows, once.

BUTTONHOLES

I am sure that there must be other readers who would like to brush up on their buttonhole techniques and so we will see what we can produce as an article for you as soon as possible. Best wishes from all of us here in the UK. Do look us up if ever you visit this country.

TUCK LACE QUERY

A reader telephoned the office this morning and her words were 'please can you help me I think I must be going potty!!' . . . well, we have all been in that situation, haven't we and usually it doesn't take long for someone else to see what we are doing wrong. Our caller was knitting tuck lace and so she was using an alternate needle selection and a tuck card. She had knitted a sample the night before and all was well. The next morning she had measured the swatch and was delighted to discover that it was 'spot on' . . . it doesn't happen often, does it, so she was all set to go. Feeling virtuous she also cleaned and oiled the machine before she started. All set and ready to go, our knitter cast on and started the pattern . . . nothing! She checked the card, the yarn, the tuck levers, the side levers, tried again, nothing, just plain stocking stitch . . . she rang us. As soon as she mentioned an alternate needle setting we knew what she was doing. When an alternate needle setting is used for a tuck stitch pattern it is *vital* that the tucking needles are needles that are in the working position, otherwise there will be no pattern. All our friend had to do was swap her needle setting for the alternate needles that she had in NWP, so if she had selected needles 1, 3, 5 and so on she needed to put them away and select needles 2, 4, 6 and so on. It is as simple as that. There is an easy test that you can do to determine which needles you need to select. Put the punchcard in and lock it. The hammers on the pattern panel in the centre of your machine which are in the down position are needles that will be tucking because, on a tuck card, the blanks tuck and the holes knit. The hammers corresponding to the holes will go up into the top position (closed) but the hammers corresponding to the tuck needles will stay down. You can now select one of the needles corresponding to one of the 'down' hammers and then select the rest of your alternate needles from that one and all will be well. Tuck lace is a very pretty alternative to true lace, its looks very attractive and is easy to do and not as open as some of the true lace patterns. There are two ways in which you can make attractive patterns in tuck lace using basic card three from your pack. You can knit with the card rolling or you can lock the card on any one row and knit four rows tuck, two rows knit and this produces a more textured fabric almost like crochet, lovely for summer tops.

RIBBER DISASTER

Mrs Margery Spence had a mini disaster with her ribber and asks what did she do wrong. She says, 'I was knitting a skinny rib polo neck and I had reached the point where I had to shape for the armholes. The pattern said 'Cast off 10 sts at the beginning of the next 2 rows'. I cast the first ten stitches off and then as I knitted across the row the comb tipped and the knitting got all caught up and I had to remove the whole thing. Should I have moved the weights along, or could I have removed them and just put one weight in the middle at this point? I was so cross, having got as far as I did; it was my first attempt at a skinny rib sweater. Could you also tell me what depth the back neck shaping should be for a polo neck. The ones I have bought from the shops for my daughter (before I had a knitting machine) seem to have very badly fitting necks. Once the sweater was on, the back neck seemed to be much too high.'

First of all Margery, we have all done what you did and although you are right in blaming the weights for what happened, removing them or adjusting them is not the easy answer. The easy way round this situation is to cast off on the right with your yarn that is in the feeder and ON THE SAME ROW, cast off at the left using a length of spare yarn. By doing this you are keeping the weight even and the work will not tip. It is true to say that as your knitting grows you do often need to remove some of the weights but one weight in the centre is not very satisfactory. It is better to keep to two weights at each end and just lighten them. If you have been knitting with two large weights, swap them for the two small ones. You can improvise for weights in all kinds of ways. One of the ways I use the most is to thread a knitting needle in and out of the knitting, taking care not to split stitches and then I hang my small claw weights, which are often sufficient, on to the needle. It is not only the amount of weight that is important, it is also important that the weight is evenly distributed. Unbalanced weighting results in the kind of thing that happened to you and sometimes it causes quite a 'jam up'

POLO NECKS

I wish I had a pound for every skinny rib polo neck sweater I knitted for my two daughters when they were at infant and junior school. They were so economical, using industrial 2/30s yarn and Mary Weaver's polo neck pattern from her Ribber Book, The Ribbing Attachment Part 1. I did find though that I preferred the back neck to be almost as low as the front neck and then the polo sat better. I used to cheat and knit two fronts and this worked perfectly. It gave a back neck depth the same as the front which would be silly on a standard neckline but on the polo necks I found it was great. Try again with your polo necks, Margery, they are well worth knitting.

Plain and pearl

Gail Miller has created a simple, elegant look with beaded, mock cables worked on a laddered base in Yeoman Sport.

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge machines with a ribber. If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Sport. (Yarn Guide No. 11.)
1 x 500g cone in Cream (MY).
Packet of pearl beads.
Seven-pronged transfer tool (set to four prongs).

GARMENT WEIGHT
Finished garment in second size weighs 320g.

The fibre content of this yarn is 100% Wool. For further information about this yarn, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicester LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97, 102, 107] cm. 32 [34, 36, 38, 40, 42] in.
Actual size 95 [100, 105, 110, 115, 120] cm, 37½ [39½, 41½, 43½, 45½, 47½] in.
Length to shoulder 54.5 [54.5, 55.5, 55.5, 56.5, 56.5] cm, 21½ [21½, 22, 22, 22½, 22½] in.
Sleeve seam 39.5 [39.5, 40.5, 40.5, 41.5, 41.5] cm, 15½ [15½, 16, 16, 16½, 16½] in (adjustable).

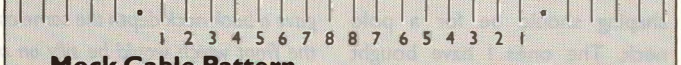
Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
24 stitches and 37 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Count Ns in NWP as sts throughout.
Work mock rib cable panels over 16 Ns between Ns in NWP

Needle Diagram



Mock Cable Pattern
K 16 rows. Using a transfer tool, count down 8 rows and pick up sts 1, 2, 3 and 4 and place on to Ns 5, 6, 7 and 8. These 16 rows form pattern.

pattern 2

BACK

With carriage at right and using MT–5/MT–5 and MY, cast on 120 [126, 132, 138, 144, 150] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 48 rows. Transfer sts for st st. Transfer st 9 at left and right of centre on to adjacent Ns. Push empty Ns to NWP. Set RC at 000. Using MT, cont in mock cable patt over centre 16 Ns *. K 63 rows. Place marker at each end.

Shape Armholes

Dec 1 st at each end of next and every foll alt row until 100 [106, 112, 118, 124, 130] sts rem. K 22 rows. RC shows 104. Transfer sts 21 and 38 at left and right of centre on to adjacent Ns. Push empty Ns to NWP. K 8 rows. Keeping continuity of centre mock cable panel, work mock cables on side panels on same rows **. K 42 [42, 46, 46, 50, 50] rows. Push empty Ns to WP. K 2 rows. RC shows 156 [156, 160, 160, 164, 164]. Push 28 [31, 34, 37, 40, 43] Ns at left and right to HP. Using WY, K a few rows in st st over rem 44 Ns and release from machine. Push 28 [31, 34, 37, 40, 43] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push 28 [31, 34, 37, 40, 43] Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

FRONT

Work as for back to **. K 14 [14, 18, 18, 22, 22] rows. 30 rows less have been worked to shoulder than on back.

Shape Neck

Using nylon cord, K 60 [63, 66, 69, 72, 75] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of next and every foll alt row until 28 [31, 34, 37, 40, 43] sts rem. K 4 rows. Push empty Ns to WP. K 2 rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over 20 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at left, unravel nylon cord over rem 40 [43, 46, 49, 52, 55] Ns, bringing Ns back to WP. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using MT–5/MT–5 and MY, cast on 68 [68, 72, 72, 76, 76] sts at centre in 1x1 rib. Work as for back from * to *. K 12 [12, 16, 16, 20, 20] rows. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 112 [112, 116, 116, 120, 120] sts. K 3 rows. RC shows 100 [100, 104, 104, 108, 108]. Adjust length at this stage, if desired.

Shape Top

Cast off 6 sts at beg of next 2 rows. Dec 1 st at each end of every alt row until 64 [64, 68, 68, 72, 72] sts rem, then on every row until 28 [28, 32, 32, 36, 36] sts rem. Cast off, making chains in spaces where Ns are in NWP.

TO JOIN RIGHT SHOULDER

Push 28 [31, 34, 37, 40, 43] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MY, K 1 row. Cast off.

Hat, FRED BARE. Skirt, KAYS CATALOGUE. Earrings and Bangle, SALISBURYS.

17 ▶

pattern 2

Letters, hints & tips

From adapting patterns to fitting a zip, this month's batch of letters contains something for everyone.

Mrs Dewar from Scotland wrote to us.

'I have recently become the proud owner of the latest Silver Reed electronic machine and I am having a wonderful time trying out all the stitches and so on. However, I have one problem. I am adapting basic patterns to drop shoulder style to make it easier whilst I experiment but I always seem to get the sleeve measurement wrong . . . what am I doing please?'

Our guess, Mrs Dewar, is that the sleeves are turning out too long (we hope that is what you mean). When you adapt from a raglan or set in sleeve (we usually use raglan measurements) you need to allow for the fact that the sleeve now starts at the edge of the garment and is not 'set in' into the body of the garment.

TO MEASURE YOUR SLEEVE LENGTH

The best way to measure for an accurate sleeve length is to get the person concerned to stand with their arms outstretched and then measure from wrist to wrist, that is, up the arm, across the back and down the other arm. Still holding the tape measure in position, lower your arms. You'll notice that the first measurement you took can be as much as 1-2 inches shorter. Decide where you would like the cuff to lie (finish) and adjust as required. Now decide what width the body piece is to be and subtract that from the total measurement. What you are left with needs dividing into two and that will give you your sleeve length.

For example: total length 53 inches. Body width 19 inches, remainder 34 inches, divided into two gives you 17 inches for each sleeve.

HINT

Knitting the sleeves from the top down has considerable advantages and one of them is that if the sleeve is too short or too long you can easily undo a few rows or knit a few more on!

Mrs Hall from Lincoln tells us:

I enjoy knitting for my grandchildren and of course they want dinosaurs and other such creatures on their jumpers. I spend quite a lot of time adding a blue eye or a white whisker and I wondered if there was any way in which I could introduce just a few stitches in a third colour as I knit to save me some time. My machine is a Silver Reed 700 and I love it.

Yes, Mrs Hall, there is a simple way and it does save time. If you want a couple of stitches, say for an eye, to knit in a third colour all you need to do is to set your carriage to hold and, with the setting on Fair Isle as normal, knit across the row. Then take your third colour and knit it in by hand . . . it is easy and very effective. There are so many ways that a single motif or a Fair Isle border can be made to look extra attractive and interesting and the introduction of a third colour is one of them. Adding beads, a bit of glitter or fur or lace as you knit are all fun and make the garment something special.

CABLES

Jennifer Hallam from Derby writes.

'I recently tried my first cable pattern and although I was very pleased with the result I was rather worried about knitting it. The needles seemed to be very strained as I made each cable and I wonder if it does the machine any harm. Also, as you might guess, someone has admired my sweater which, incidently, I knitted for my husband and now they have asked if I will knit two more for Christmas presents. Is there any way of making the cables easier and can I use a cable on any basic sweater pattern?'

Cables are always attractive and even just one cable down the centre of a sweater looks smart but when it comes to several cables it can be worrying. You need to loosen the actual cable stitches and the best way to do this is to have an empty needle on each side of the working cable needles.

When the rib or welt has been completed and you are ready to start your cables, transfer one stitch either side of the cable needles to its adjacent needle and leave the empty needle out of work. This space gives a bit of extra yarn and loosens the cable stitches slightly. You can, if you wish, bring the empty needles up into the working position on the row before the cable cross over and then manually push them back again; this will drop the loop off that needle and give you a little more extra yarn. Each time you do the cable cross over, leave the cabling needles out at the holding position with your carriage set to knit and that too helps them to knit more easily.

The needles do bend slightly but they will not come to any harm so long as the carriage will knit across without too much force. It is comforting to know that after the first few cables, it does ease up and knits more easily. I am sure that many a cable pattern has been abandoned after the first row or two because it was hard work, while if only the knitter had carried on all would have been well.

Yes, you can put a cable pattern on any basic pattern but if you are doing several cables it would be wise to knit a swatch first to check on the finished measurements.

QUICK TIP

Life is much easier if you have other shapings to do, if you make the cables coincide with the shapings. For example if you are working a raglan shaping every two or four rows you would be wise to do the cable every eight or 16 rows and then there is less to keep track of. If you are knitting a V neck, finish the cable at least 16-20 rows before the start of the V, otherwise the cable will distort the centre V shape.

Maureen Baxter from Rochester is in a muddle about makes and thicknesses of yarns . . . she writes:

'I often see a pattern I like, sometimes a hand knit pattern as well as machine knits, but I find that the materials required do not always tell me whether the yarn is a four-ply, a crêpe or an acrylic or what and as I seldom buy the yarn stated how can I be sure of getting the right type of yarn?'

We really need to be detectives these days to track down some of the yarns and what exactly they are, but on the plus side we do have a tremendous choice nowadays and those of us who have been knitting for a long time will remember with doubtful affection the days when we used to have to wind every little ball from one ounce balls and wax it over a candle as we went. However, it is confusing and you need to look at the pattern as a whole. If the yarn specified does not indicate whether it is a three-ply, four-ply or DK and

Plain and pearl

so on, then you need to look at the suggested tension, since this will give you a clue as to the yarn thickness. It might not be exact but it will give you some idea. For instance, if the tension is 28 stitches and 40 rows to ten centimetres then you can be fairly certain that the yarn is a four-ply. If it is 32 stitches and 48 rows to ten centimetres it is likely to be a three-ply. A two-ply will give you 36 stitches and 56 rows to ten centimetres and a DK, 24 stitches and 32 rows to ten centimetres. These will not always be spot on but they are a good guide.

FABRICS

The fabric of the garment is just as important as the measurements. A skirt would not normally be in the same fabric as a winter jacket and although this might seem obvious when it is stated, it is a factor that gets neglected in the endless search for the correct mathematical requirements, that is, we get so intense about the right tension that we forget what we are trying to achieve as an overall look.

If the pattern gives an indication of the yarn content then you are wise to try and find something of similar content. A garment made in a mixture of 80% wool and 20% acrylic will not look the same in 100% acrylic, or not for long anyway. The stitch pattern will also affect your choice of yarn. One of my favourite yarns is Shetland, the hairier the better and one of my favourite stitches is half Fisherman's rib. The two do not go well together if the Shetland is soft and breaks easily. The answer always is to try it out. We do not spend enough time 'finding out'. A few minutes of experimenting can save hours of wasted time and much wasted yarn and it is the best way to learn about your yarns and about your machine.

NOTES

Keeping comprehensive notes is vital and again is a great time and yarn saver and if you get into the habit of Sellotaping a few strands of the yarn used on to the pattern notes you will soon build up a mine of invaluable information.

Anne Lister has been having problems fitting a zip into a child's jacket.

Anne says: 'I was so pleased with the jacket I have just knitted for my four year old and then I ruined the whole thing by making a mess of putting the zip in. I waited until I had finished the garment before I bought the zip and I carefully measured the front edges and bought the correct length zip. I sewed it in by hand very painstakingly but when I had finished and I fastened the zip up the front edges had an unsightly bulge. There is nothing for it, I shall have to unpick it and start again; what did I do wrong?'

Zips are tricky and you started off well by not buying the zip until the garment was finished but then it went wrong because you measured the front edges. The front edges are distorted and do not give a true measurement, especially if they have just come off the machine and have not been pressed. The safest way to be accurate is to measure the centre back of the garment, remembering of course to allow for the neck shaping. This will give you a much more accurate measurement and the front edges should then be eased in to fit the zip. If in any doubt about the zip length always buy it shorter rather than longer. A gap above or below a zip will look OK or you can add a button, but if the zip is too long you have had it!

We pay £5 for every letter we publish, provided it has not already been accepted or published elsewhere, plus a subscription to the magazine for a letter of the month

NECKBAND

Push 140 Ns to WP. With K side facing, pick up 140 sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT and MY, K 1 row. Transfer sts for 1x1 rib. Using MT–5/MT–5, K 36 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

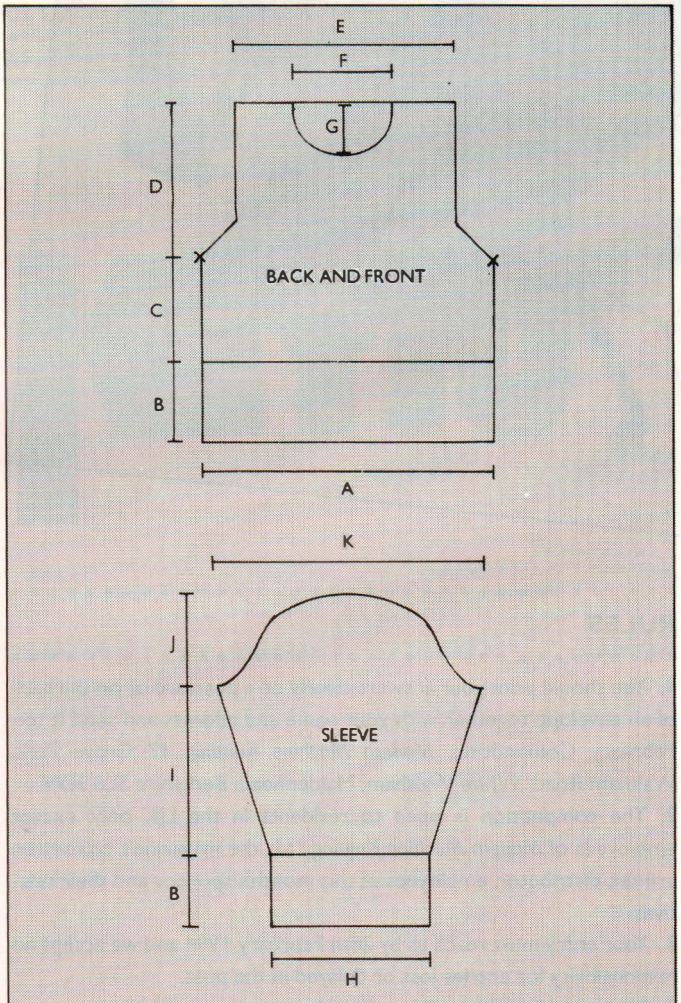
Work as for right shoulder but read left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Set in sleeves. Join side, sleeve and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MY. Sew pearl beads on to mock cables as shown in photograph.



A = 48 [50.5, 53, 55.5, 58, 60.5] cm	G = 8 cm
B = 12.5 cm	H = 26.5 [26.5, 28, 28, 30, 30] cm
C = 17 cm	I = 27 [27, 28, 28, 29, 29] cm
D = 25 [25, 26, 26, 27, 27] cm	J = 15 cm
E = 36.5 [39, 41.5, 44, 46.5, 49] cm	K = 45 [45, 46.5, 46.5, 48, 48] cm
F = 16.5 cm	

Competition

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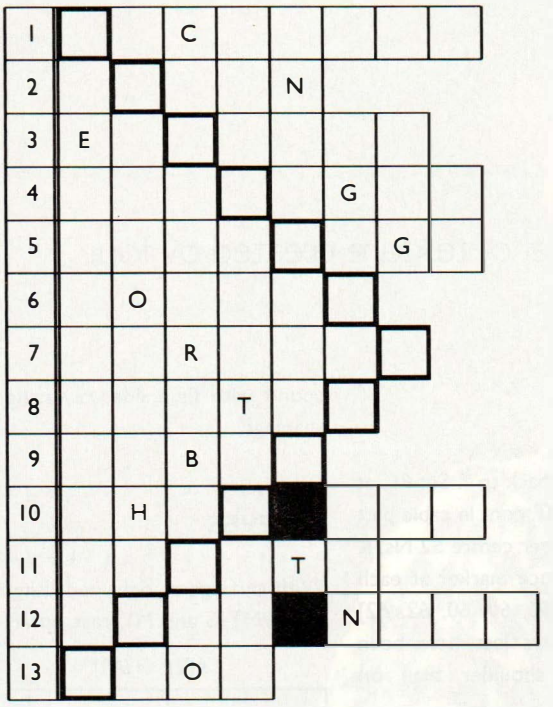
RULES

1. You should print your answers clearly on a postcard or on the back of an envelope together with your name and address and send it to:- February Competition, *Modern Machine Knitting*, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW.
2. The competition is open to residents in the UK only, except employees of *Modern Machine Knitting Ltd.*, the magazine's typesetter, printer, distributor, employees of this month's sponsor and their relatives.
3. Your entry must reach us by 28th February 1994 and we accept no responsibility for entries lost or delayed in the post.
4. No cash alternative will be offered.
5. The winners will be the first correct entries drawn from our post-bag after the closing date.
6. The winners will be notified in writing and the competition result will be published in a future issue of *Modern Machine Knitting*.
7. The Editor's decision is final and no correspondence will be entered into regarding the competition.

CLUES

1. Get smaller, or get the wrinkles out perhaps! (8)
2. Material that is only N-shaped. (5)
3. Does 'e support ant? How graceful! (7)
4. Woolly – woolly racing ad. (8)
5. Type of clock on your knitting machine. (8)
6. Material that's a weight on the baby's bed! (6)
7. Man gets arm in an item of clothing. (7)
8. Tension square's time-keeper. (6)
9. Lie concerning texture. (5)
10. Exhibition cancelled but get on the catwalk! (4.3)
11. Keeps on the surface – behind you Fair Isle! (6)
12. The sweater with the hole! (4.4)
13. Suddenly come into sight, weaver! (4)



Fill in the grid with the help of the clues provided. When you have done that you will see that the shaded squares reading down the page will reveal a four-word phrase which describes all machine knitters! Put this phrase on a postcard or on the back of an envelope and send it, together with your name and address to *Modern Machine Knitting*, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW to arrive before the 28th February 1994.

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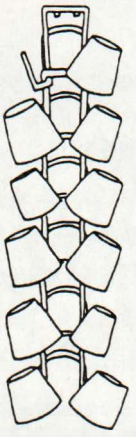

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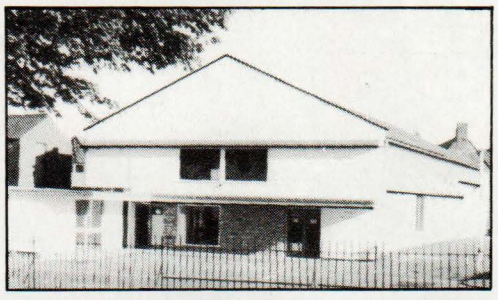

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MMK D4

Cables in grey

A simple, masculine look by Gail Miller, with a panel of texture created by four stitch cables.

pattern 3

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge machines with a ribber.
If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Sport. (Yarn Guide No. 11.)
1 [1, 1, 2, 2, 2] x 500g cones in Grey (MY).

GARMENT WEIGHT
Finished garment in fourth size weighs 510g.

The fibre content of this yarn is 100% Wool. For further information about this yarn, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicester LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit chest 92 [97, 102, 107, 112, 117] cm, 36 [38, 40, 42, 44, 46] in.
Actual size 104 [108, 114, 118, 124, 128] cm, 41 [42½, 45, 46½, 49, 50½] in.
Length to shoulder 76 [76, 77, 77, 78, 78] cm, 30 [30, 30½, 30½, 31, 31] in.
Sleeve seam 48.5 [48.5, 49.5, 49.5, 51, 51] cm, 19 [19, 19½, 19½, 20, 20] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
28 stitches and 34 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.

BACK

With carriage at right and using MT–5/MT–5 and MY, cast on 148 [154, 162, 168, 176, 182] sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 31 rows. Transfer sts for st st *. Set RC at 000. Using MT, K 143 rows. Place marker at each end. K 86 [86, 90, 90, 92, 92] rows. RC shows 229 [229, 233, 233, 235, 235]. Place marker between sts 22 and 23 at left and right of centre 0. Cast off.

FRONT

Work as for back to *. Set RC at 000. Using MT, cont in cable patt from chart over centre 52 Ns. K 143 rows. Place marker at each end. K 56 [56, 60, 60, 62, 62] rows. 30 rows less have been worked to shoulder than on back.

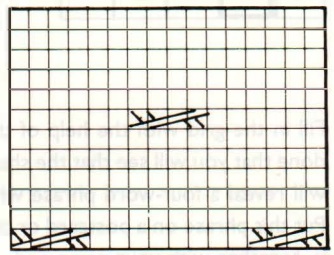
Shape Neck

Push 84 [87, 91, 94, 98, 101] Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge of every alt row until 52 [55, 59, 62, 66, 69] sts rem. K 6 rows. Cast off. With carriage at right, push 20 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES

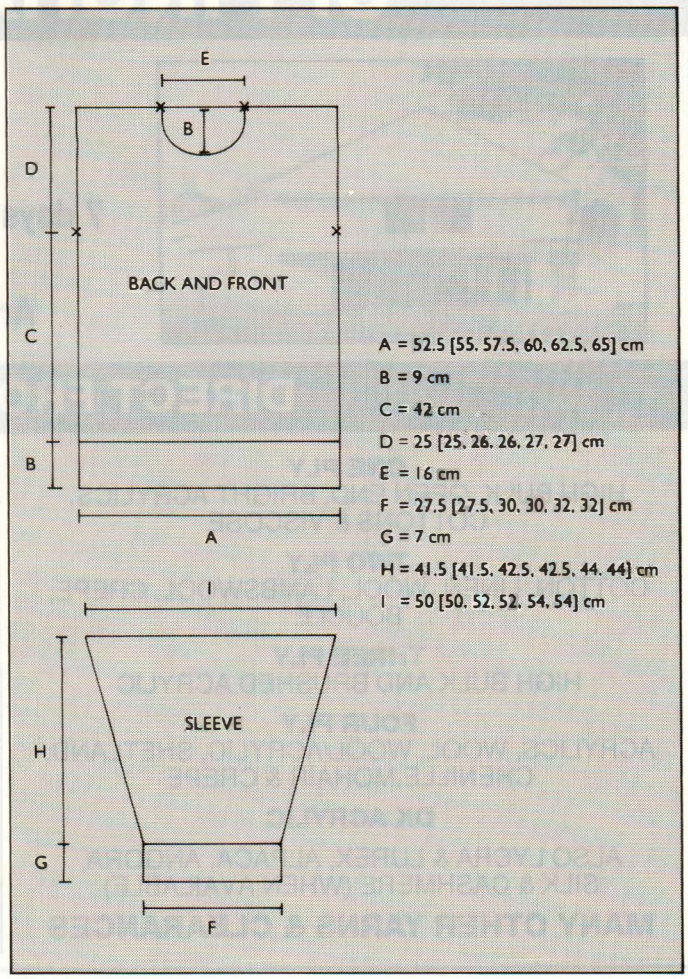
With carriage at right and using MT–5/MT–5 and MY, cast on 78

CABLE CHART



Rep

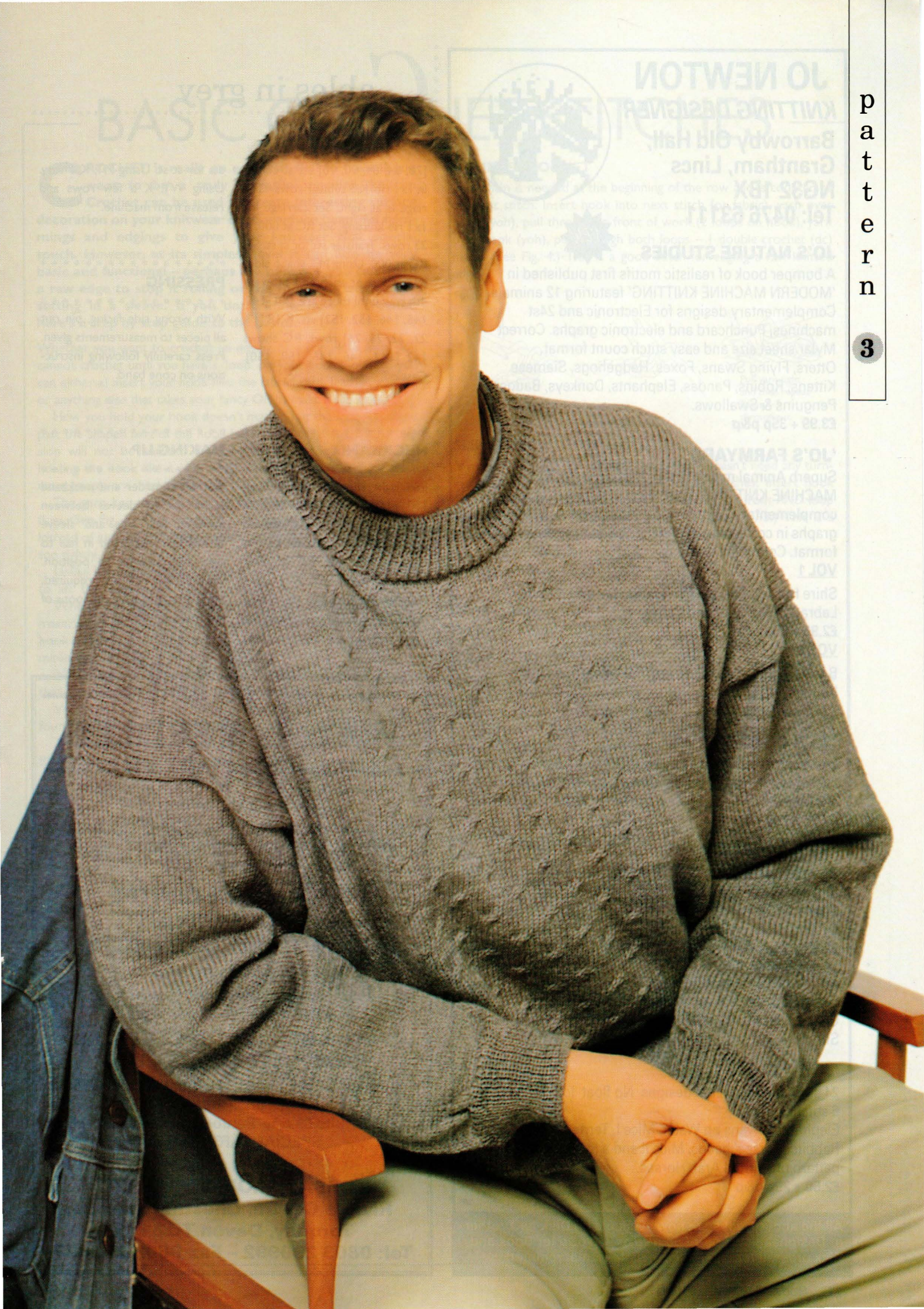
= *Cross 2 sts at left in front of 2 sts at right.*



A = 52.5 [55, 57.5, 60, 62.5, 65] cm
B = 9 cm
C = 42 cm
D = 25 [25, 26, 26, 27, 27] cm
E = 16 cm
F = 27.5 [27.5, 30, 30, 32, 32] cm
G = 7 cm
H = 41.5 [41.5, 42.5, 42.5, 44, 44] cm
I = 50 [50, 52, 52, 54, 54] cm

Shirt, Trousers, MATINIQUE.

22 ▶



JO NEWTON

KNITTING DESIGNER

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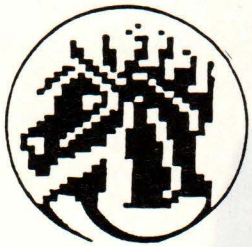

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D3

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Cables in grey

◀ 20

[78, 84, 84, 90, 90] sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 23 rows. Transfer sts for st st. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 4th row until there are 140 [140, 146, 146, 152, 152] sts. K 18 [18, 22, 22, 26, 26] rows. RC shows 142 [142, 146, 146, 150, 150]. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

NECKBAND

Join right shoulder seam. Push 160 Ns to WP. With K side facing, pick up 160 sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT and MY, K 1 row. Transfer sts for 1x1 rib. Using MT–5/MT–5, K 36 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

MAKING UP

Join left shoulder and neckband seam. Set in sleeves between markers. Join side and sleeve seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MY.

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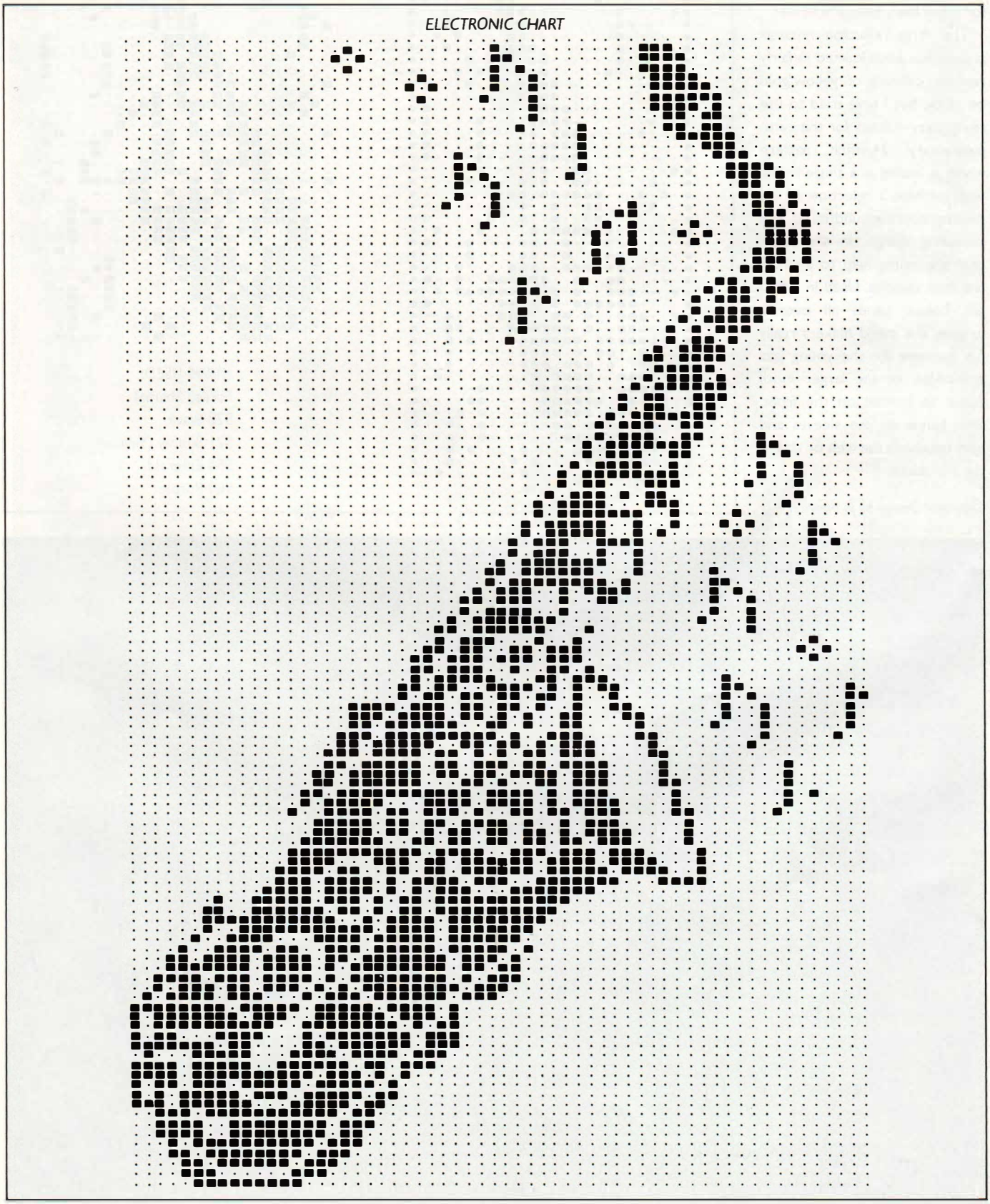
D4

Picture parade

SAXOPHONE

This month we have a musical interlude from Jo Newton. The saxophone will appeal to jazz fans of all ages.

ELECTRONIC CHART



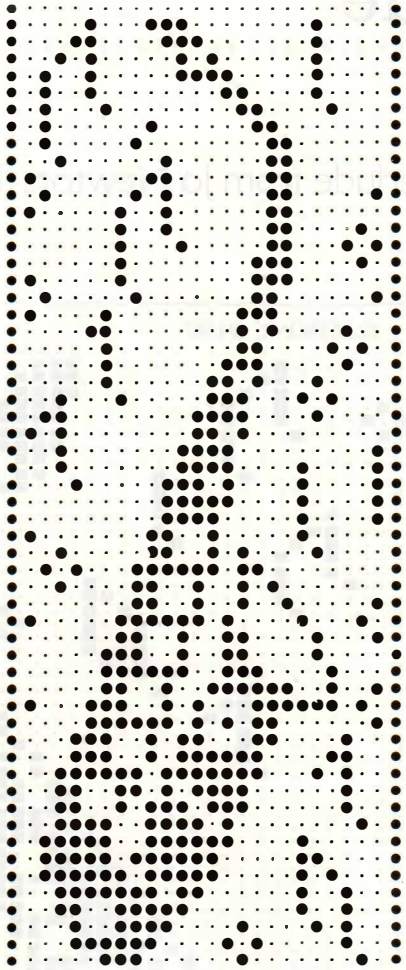
24 ▶

The saxophone is a comparatively modern instrument, having been invented in 1840 by the Belgian Adolphe Sax and it was first used in military bands. Nowadays, it is much more associated with dance and jazz bands and, as such, as a knitting motif it gives scope for some lively colour schemes.

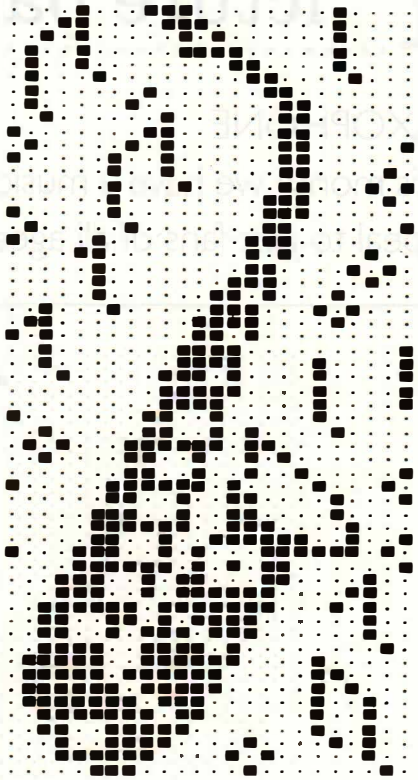
The large electronic/intarsia picture has been knitted in fairly realistic colours of yellow/gold on black, but I have tried to use really jazzy colours for the complementary 24-stitch pattern which is usable as a single motif, with perhaps a selection of the musical notes around it, or as a repeating design. In the latter case the notes help to shorten the float threads. Used in different colour bands all over a jumper, this could make a really fun garment for the young jazz enthusiast, or the larger motif could be knitted on the front, with bands on the sleeves and perhaps above the welt or across the shoulders.

Copyright Design by Jo Newton

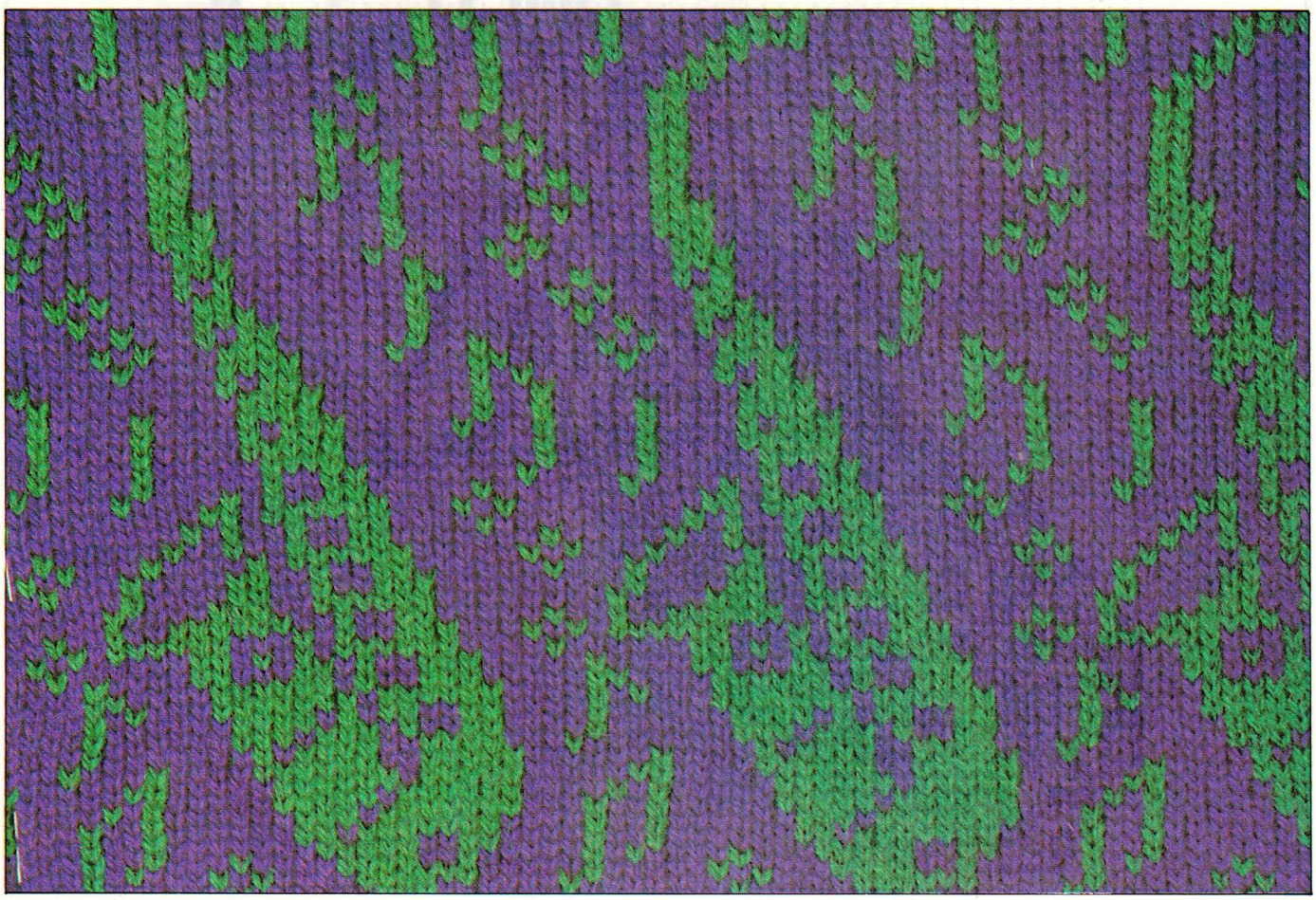
PUNCHCARD CHART

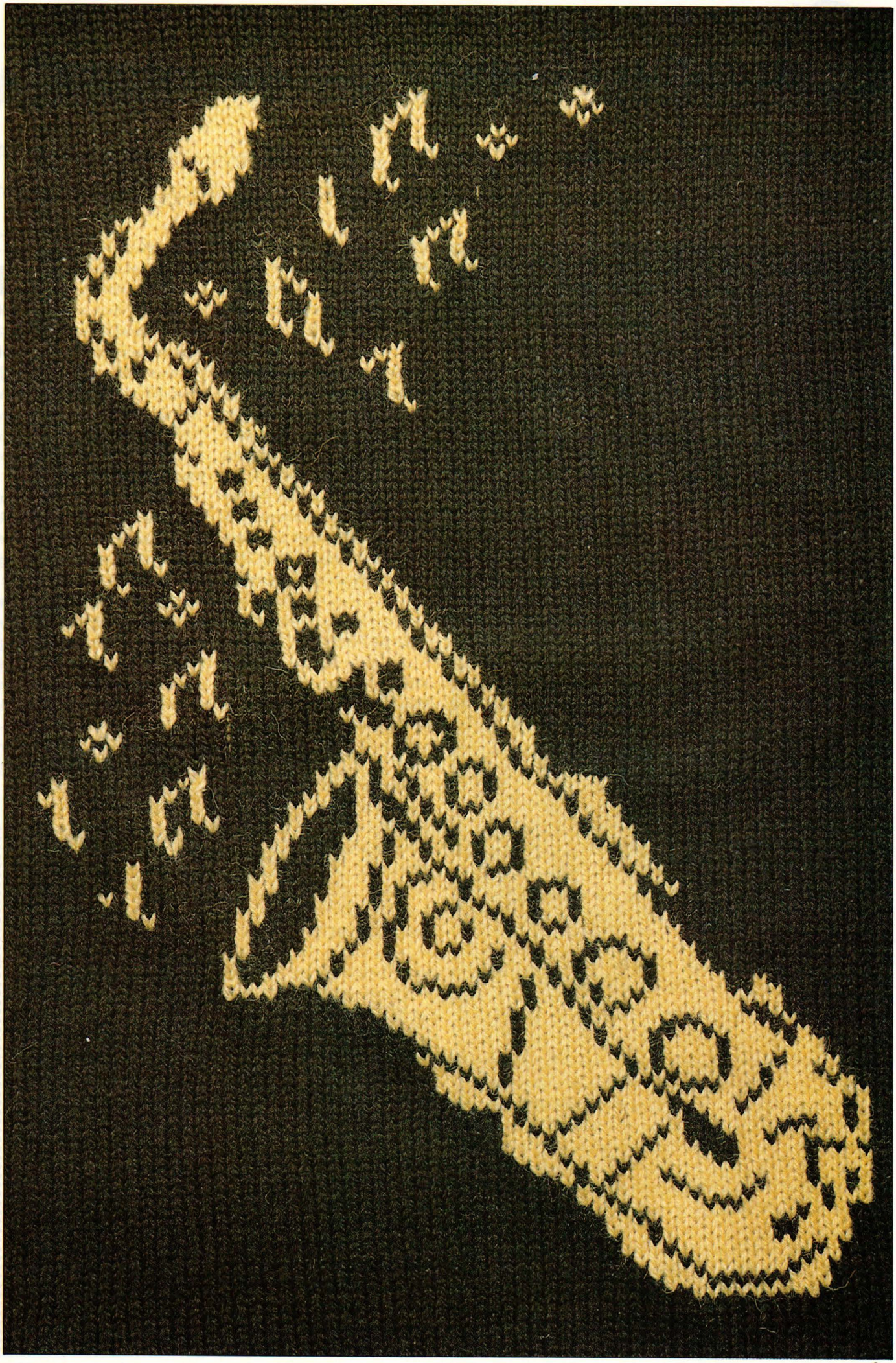


ELECTRONIC CHART



YARNS USED:
Forsell Shamal
520 Black
521 Sunray (Yellow)
554 Emerald
560 Purple





Cardigan classic

Knit this classic Fair Isle cardigan in King Cole 4-ply wool for all the family, adding different coloured highlights to suit. It's an exclusive Fran Francis design.

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.
If you don't have a ribber, work ribs in mock rib.

MATERIALS
King Cole Anti-tickle 4-ply Wool. (Yarn Guide No. 11.)
1 x 500g cone in Anthracite (MC).
1 x 500g cone in Aran (A).
1 x 50g ball in Turquoise (B).
6 buttons.

GARMENT WEIGHT
Finished garment in second size weighs 535g.

The fibre content of this yarn is 100% Wool. For further information about this yarn, please write to the following address:- King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97] cm, 32 [34, 36, 38] in.
Actual size 112 [117, 122, 128] cm, 44 [46, 48, 50½] in.
Length to shoulder 62.5 cm, 24½ in.
Sleeve seam 43.5 [43.5, 44.5, 44.5] cm, 17 [17, 17½, 17½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
30 stitches and 39 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the chart provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern
K 2 rows B only (st st), 2 rows MC only (st st), 6 rows MC/A, 2 rows MC only (st st), 2 rows B only (st st), 2 rows MC only (st st), 4 rows A only (st st), 28 rows A/MC, 4 rows A only (st st) and 2 rows MC only (st st). These 54 rows form pattern.

pattern 4

BACK

With carriage at right and using MC, cast on 170 [178, 186, 194] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT–5••/MT–5••, K 38 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 2 rows. Release card and cont in Fair Isle patt *. K 212 rows. RC shows 214. Place marker between sts 27 and 28 at left and right of centre 0. Cast off.

RIGHT FRONT

With carriage at right and using MC, cast on 85 [89, 93, 97] sts at right of centre 0 in 1x1 rib. Work as for back from * to *. ** K 94 rows.

Shape Front Edge
Dec 1 st at left edge of next and every foll 4th row until 58 [62, 66, 70] sts rem. K 13 rows. Cast off **.

LEFT FRONT

With carriage at right and using MC, cast on 85 [89, 93, 97] sts at left of centre 0 in 1x1 rib. Work as for back from * to *. Work as for right front from ** to **, reversing shapings by reading right for left.

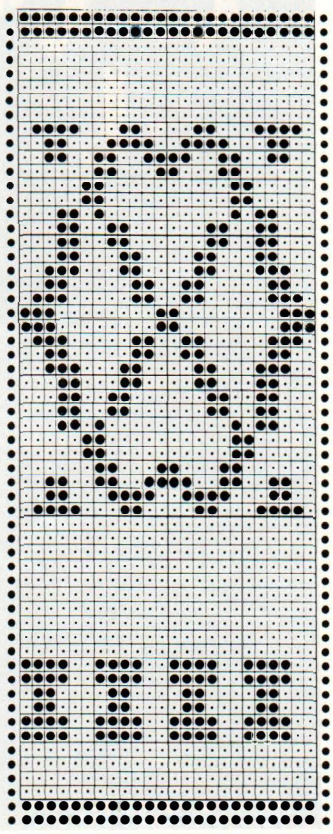
SLEEVES

With carriage at right and using MC, cast on 76 sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT–5••/MT–5••, K 30 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 2 rows. Release card and cont in Fair Isle patt. Shape sides by inc 1 st at each end of next and every foll 3rd row until there are 82 sts, then on every foll 4th row until there are 150 sts. K 1 [1, 5, 5] rows. RC shows 146 [146, 150, 150]. Cast off.

FRONT BORDER

With carriage at right, push 12 Ns on each bed to WP for double rib/full needle rib. Using MC, cast on. K 5 tubular rows. Carriage is at right. Set carriage for double rib/full needle rib knitting. Set RC at 000. Using MT–5•/MT–5•, K 6 rows. * Make a double eyelet buttonhole over centre 2 Ns on each bed. K 31 rows. Rep from * 4 times more. Make another buttonhole over same Ns as before. K until long

PUNCHCARD CHART



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Cardigan classic

◀ 26

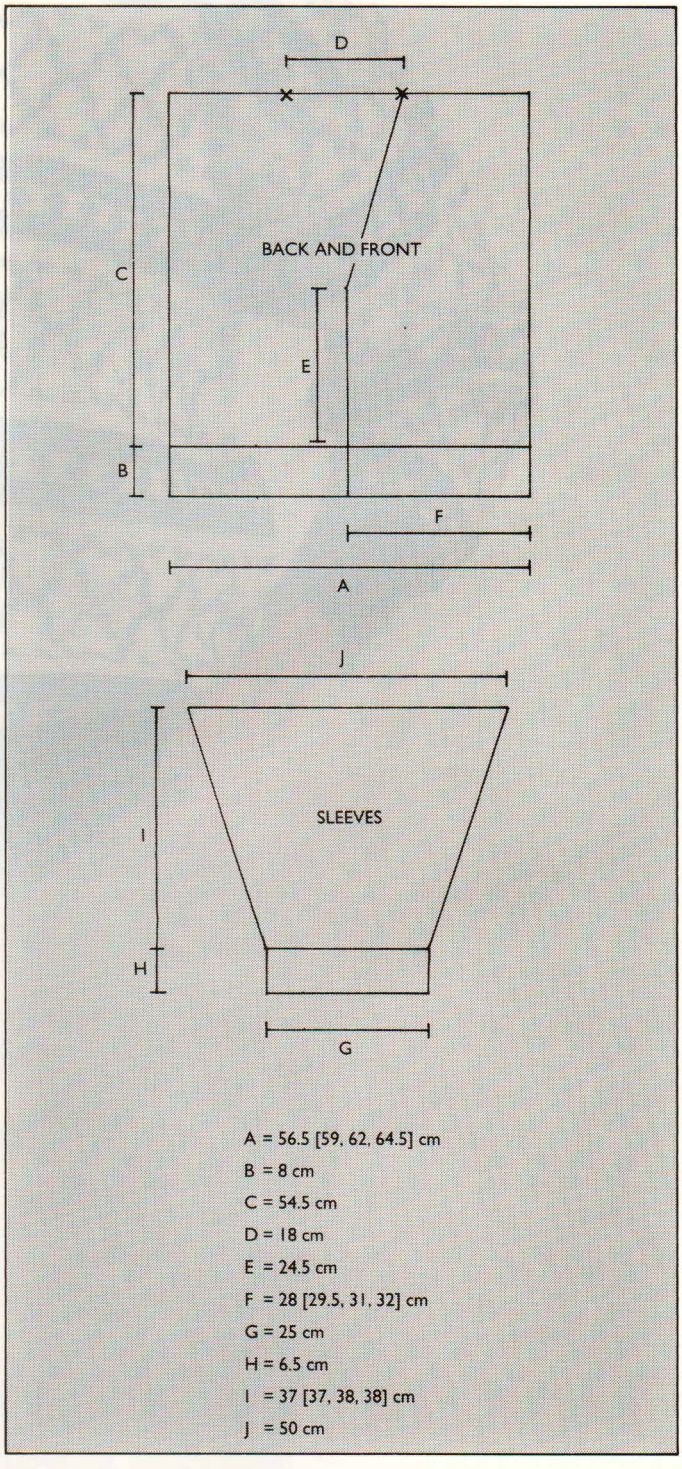
enough to go along right front edge, across back of neck and along left front edge. Transfer sts to main bed. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP

Join shoulder seams. Set in sleeves, matching centre to shoulder seams. Join side and sleeve seams. Sew front border into position. Sew on buttons.



A = 56.5 [59, 62, 64.5] cm
B = 8 cm
C = 54.5 cm
D = 18 cm
E = 24.5 cm
F = 28 [29.5, 31, 32] cm
G = 25 cm
H = 6.5 cm
I = 37 [37, 38, 38] cm
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Finishing touch

USING THE KR11 ELECTRONIC KNIT CONTOUR

Learn all about this ingenious little device by following Angela Gordon's progress as she learns to use it.

The KR11 Knit Contour is an electronic charting device powered by regular batteries. Patterns are drawn to half or quarter scale and the appropriate stitch scale is selected in just the same way as when using a mechanically operated Knit radar such as the KR7.

In this respect the number of stitches to cast on, increase and/or decrease are read from the stitch scale in the same way. The KR11 can also be programmed to cope with up to five colours per row, allowing our favourite garment shapes to be knitted in Jacquard, multi-coloured slip stitch or intarsia (with the electronic intarsia carriage).

Over the course of the next few issues, I will describe to you how I get on learning to use this new charting device, giving you the opportunity to learn from my mistakes! Because many knitters will be starting out with the electronic charting device instead of learning with a mechanical one first, we are going to start at a very basic level and treat it as though we have never used a charting device before.

SELECTING A PATTERN AND ADJUSTING MEASUREMENTS TO ENSURE A GOOD FIT

With any charting device the first thing we must do is choose the pattern we intend knitting and ensure that the measurements are correct for the person we are knitting for. Often a simple adjustment to the body or sleeve length is all that is required to make a perfectly fitting sweater.

I am going to work through the man's raglan sweater and actually knit one for my husband – he will be pleased since it is about two years ago that he last had a sweater! I already have my tension swatch knitted and blocked, so I can check the pattern's measurements.

Pattern 3 size C seems to be spot on for my husband – this surprises me as he is six foot three inches tall and I usually have to lengthen sleeves and body to make commercial patterns fit. As this pattern is quarter scale I can trace it on to the small graphed sheet.

TRACING THE PATTERN ON TO THE GRAPH PAPER

It is strange that there is no mention in the instruction book of having to trace the paper pattern on to the graphed sheets, as this could cause confusion to anyone who did not know or who has previously used the KR6 or KR7. Anyway this must be done and carefully, as only the graphed sheets with the sprocket holes at the edges can be put into the KR11.

I prefer to draw on to the sheets with the Silver Reed One Star Design Pencil. This erases easily so that the sheet can be re-used for a different pattern. The three star pencil is too soft and creates a thicker line and water soluble pens are more difficult to remove completely – I always get left with a film of the colour used!

Place the graph paper with the numbers reading correctly (not back to front) on top of the pattern piece to be traced. Line up the centre (datum) line with the 0 (zero) at the bottom and with the bottom line of the grid at the bottom of the welt. The welt can be omitted if we are just knitting our usual number of rows and then following the KR11 for the main knitting. I prefer to leave it on as a reminder and somewhere to write notes to myself.

Do please make sure that the centre vertical and bottom horizontal lines of the pattern are exactly lined up with the graph paper or the pattern will not be square and you will be increasing at one side whilst decreasing at the other! Use bulldog clips, or something similar, to hold the two sheets together whilst tracing the pattern.

It does not matter if the garment lines are not directly on a grid line of the graph paper – some sizes will be on the line, others in between lines.

Trace the back and front on to one sheet, the only difference is at the neckline. You will notice that the raglan shaping extends further for the back and there is no neckline shaping. This should be fine as there is a small amount of shaping at the top of the sleeves.

Trace the sleeve on to another sheet of paper and also trace the sleeve top for the second sleeve. Make sure that you put the horizontal line on the main sleeve shape – this shows where you must change to the second top shaping for the second sleeve.

GETTING READY TO KNIT

Measure your tension swatch and note the number of rows and stitches in ten centimetres. When I first read the instruction 'Don't use a Gauge Scale coming with the machine' I did not realise that it was only referring to the measuring of double Jacquard and similar fabrics and thought it rather strange. However, it is just for the techniques requiring several passes of the carriage to complete each row of knitting – more about this in another article. For any normal single bed fabric, that is Fair Isle, slip, tuck, stocking stitch and so on, do use the green or blue gauge as I have done. My tension is 32 stitches and 47 rows in ten centimetres.

Next select the appropriate stitch scale according to the tension of your swatch. Make sure that you choose the Q scales if you are also knitting the man's sweater, or another design drawn to quarter scale, or the H scales if the design is drawn to half scale.

WHOOPS!

If you have been carefully following my progress, you will know that I have just encountered my first problem. The quarter scales are ideal for chunky tensions, but I am working on my standard gauge machine in four-ply cotton and acrylic mixture! See page five of the instruction book to see which scale of pattern to choose for the tension of your swatch.

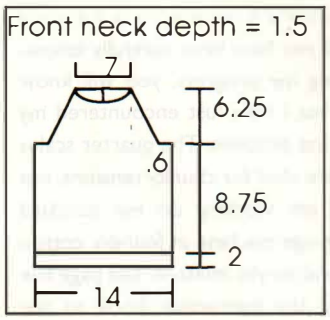
I could knit this sweater on a chunky machine, but I do not want to. I have made up my mind that I want to knit this raglan sweater so where do I start?

The only man's pattern in the pre-drawn set is in quarter scale, so I will have to double the mea- 30 ▶

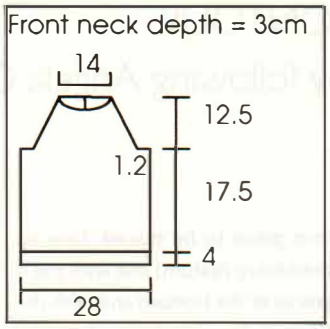
surements of each line/curve and re-draw it in half scale. It would be possible to knit it using a quarter scale and treating each stitch as two, but this could become confusing when working the shaping. The graduations are already fairly close and decreasing/increasing when between two stitch marks might cause problems if our concentration is not up to scratch!

INCREASING THE PATTERN FROM QUARTER TO HALF SCALE

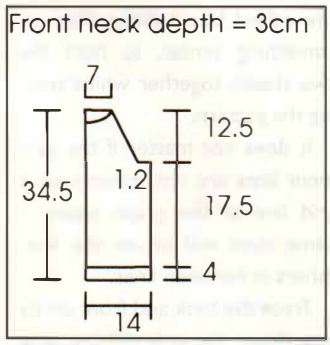
First draw a **rough** diagram of the sweater on to a scrap of paper. Measure each line and write the measurement next to the corresponding line on the diagram. Square off the raglan and measure the depth from the initial cast off to the top edge of the front neckline (not along the raglan slope). Measure the width of the top of the back neckline and also measure the distance between the top of the front neckline and the top of the back neck.



The rough diagram of the back/front should look similar to the one above. The measurements shown are those of size C. Now we will double those measurements so that when we draw it on to the graphed paper again it will be in half scale.



This is our diagram of the back/front showing half scale measurements. The back neck is actually one centimetre at half scale higher than the front neck. We can also only draw half of the garment piece on to the graph paper as it will not all fit now that it is half scale – see the diagram below.

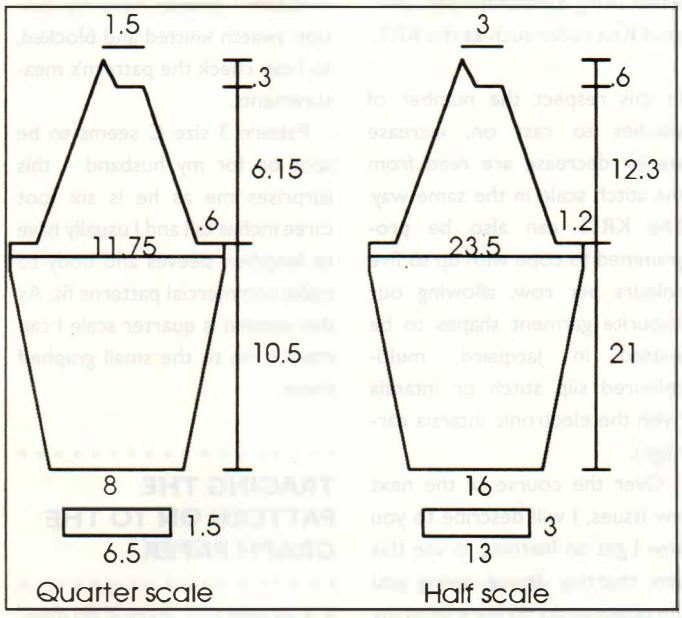


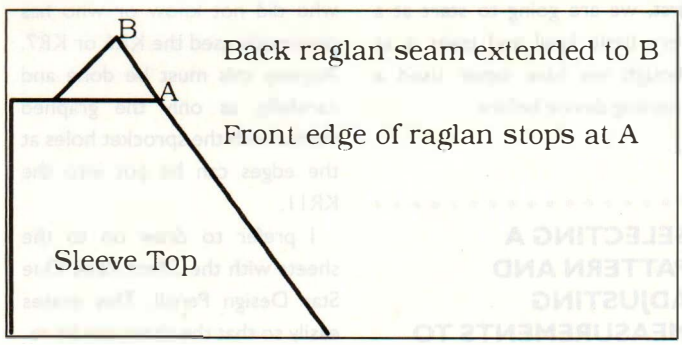
We are now ready to draw that on to the graph paper. I have filled in the centre back measurement as this is the first line I draw on to the graph paper. You will notice that the centre 0 is on the left hand edge of the paper and this is where we draw our centre front/back line to the measurement of 34.5 centimetres.

Next, measure across at the top of this line and draw the back neck to seven centimetres. Measure across the bottom and draw a line 14 centimetres long. Repeat this line four centimetres above to mark the top of the welt. Draw a vertical line from the top of the welt to the underarm mark, 17.5 centimetres long. Draw a small horizontal line of 1.2 centimetres for the underarm cast off. Join the inside end of this line diagonally to the seven centimetre neckline mark.

Draw in the front neckline: Mark one centimetre down the raglan seam, as this is where the front raglan will stop. The three centimetre front neck measurement will start one centimetre below the back neck, therefore measure down four centimetres from the centre back neckline. Curve the neckline between the one centimetre mark on the raglan seam and the four centimetre mark on the centre front line.

Repeat the above steps with the sleeve. The measurements of size C sweater are shown on the diagrams below:





The tricky part of drawing the sleeve is folding back the very top edge so that we can knit the shaped section.

Knit one sleeve with the straight (front) edge on the right and the other sleeve with the straight edge on the left.

Well that is all for this issue. Please join me next month and I'll take you through all the stages of knitting of this sweater.

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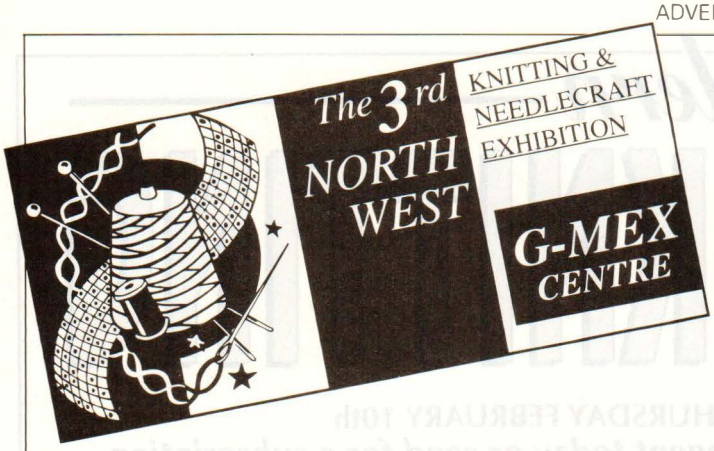

Spring SPECTA

Give yourself a break from winter and take a day out at this spectacular exhibition which will be at the G-Mex Centre, Manchester, for the third year, from Thursday 24th to Sunday 27th February. Take the whole family along because there will be free competitions and draws, demonstrations of crafts and machines and the excitement and glamour of four free fashion shows every day. The outing will not hurt the family budget as the under-14s go in free and there's a saving for pensioners.

Over 170 exhibitors will provide a tempting display of all the latest products and gadgets for machine knitting and many other crafts. The long list includes cross stitch and embroidery, buttons and beading, patchwork and quilting, appliqué, ribboncraft and smocking, toymaking and soft furnishing – in fact if needles and thread are required in any form, the craft will be there.

As an extra temptation, many stands will have special bargains available only at the exhibition so don't forget to budget for the unexpected 'treat'.

G-Mex takes care of your comforts with ample on-site parking, licensed restaurant, café and bar and free left luggage facilities. Ramps and lifts are provided to ensure that disabled visitors should also enjoy their day at the show.

Tickets which include all the attractions (lectures, workshops and fashion show) cost £4.50 or £3.00 for pensioners on Thursday and Friday, or £5.00 and £3.50 for pensioners on Saturday and Sunday. Children under 14 years are free all four days.

You can save another 50p per adult ticket by buying in advance direct from Nationwide Exhibitions. Use the coupon provided in the advertisement on page 23 to order yours now.

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BUSY BEE BASICS, Brooklyn, Ruthin Road, Bwlchgwyn, Wrexham, Clwyd LL11 5UT

IRIS BISHOP

Stand 111

Celtic Inspiration is the title of Iris's new collection for this season. It contains her classic tunic-style sweater and jacket patterns together with a collection of fabric and border designs in her unmistakable style with 'short floats' for comfort. Iris's new designs and ideas for using fabric dyes and paints will also be available so don't miss her stand for some special inspiration.

Iris Bishop Designs, 64 Ifield Road, West Green, Crawley, W. Sussex RH11 7BQ

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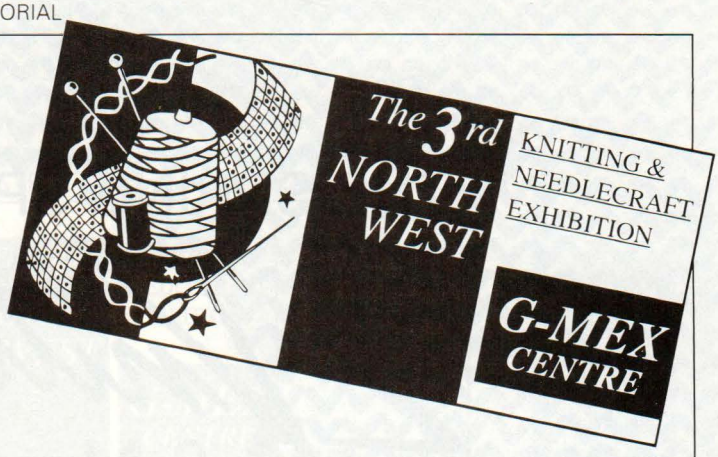

CARL BOYD
DESIGNS

Stand 147

This is the first showing at this venue of Carl's fourth collection. There are eight designs in single leaflet form, retailing at 95p each, or the collection of eight for £6.00. This year, three of the designs will be available in kit form. Also at the show will be his, now famous, **Cut & Sew Template,** still retailing at just £4.95.

CARL BOYD DESIGNS, 1 Coulsons Place, Penzance, Cornwall TR18 4DY. Tel: 0736 62538

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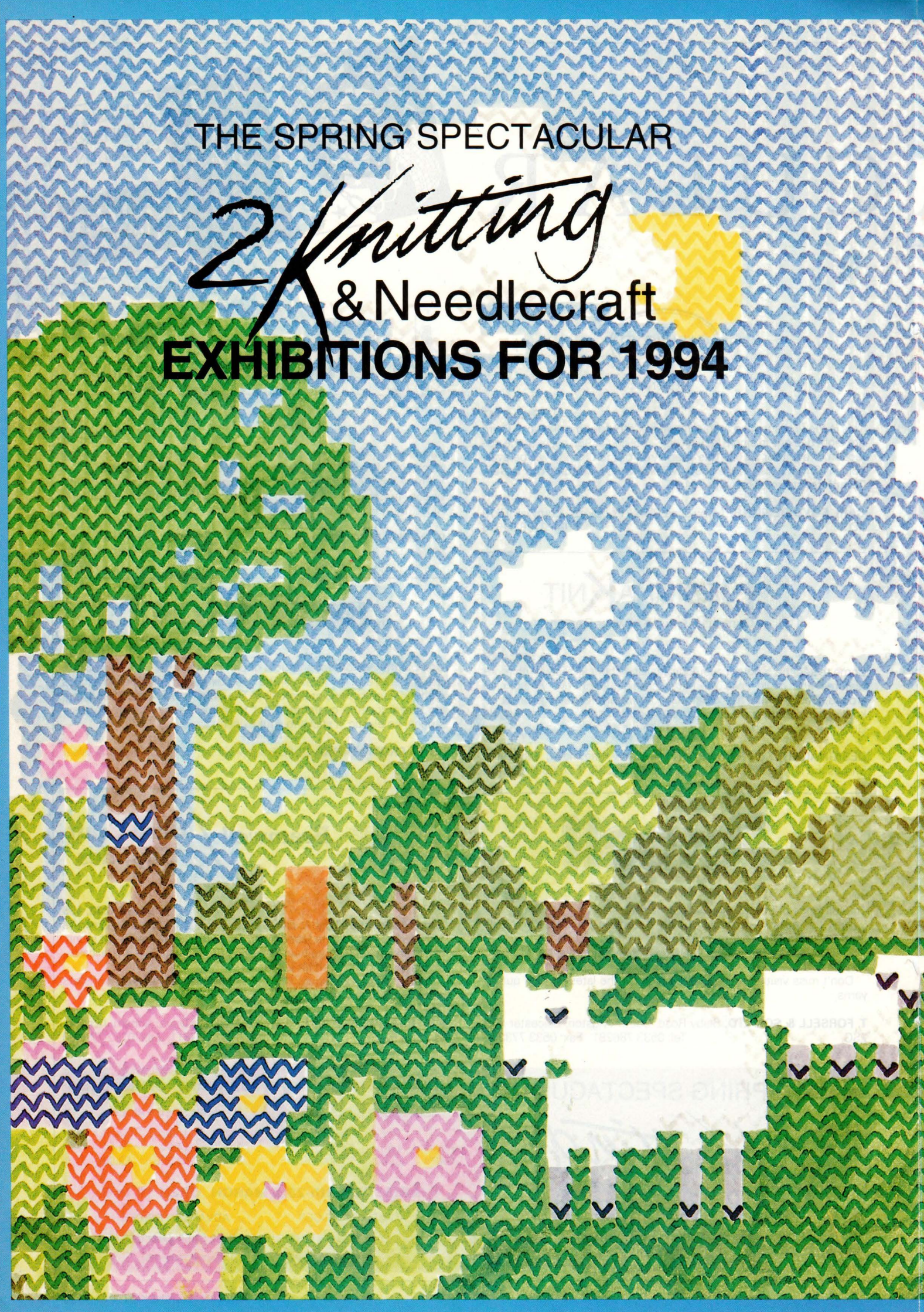
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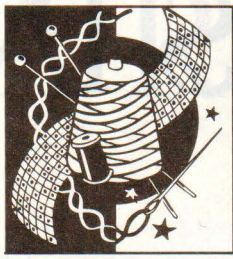

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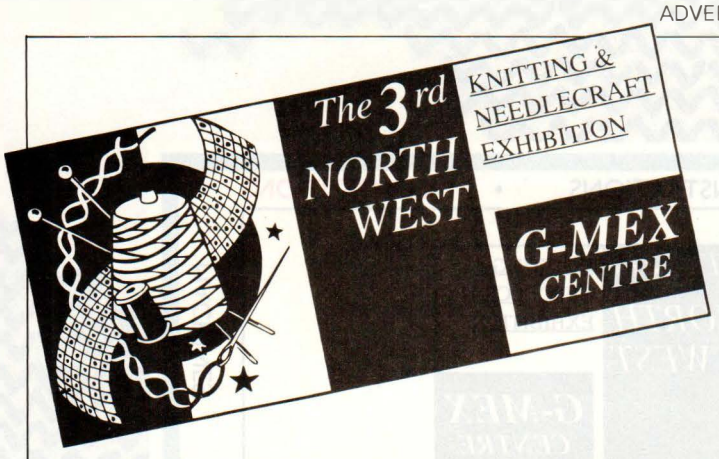

Spring SPECTA

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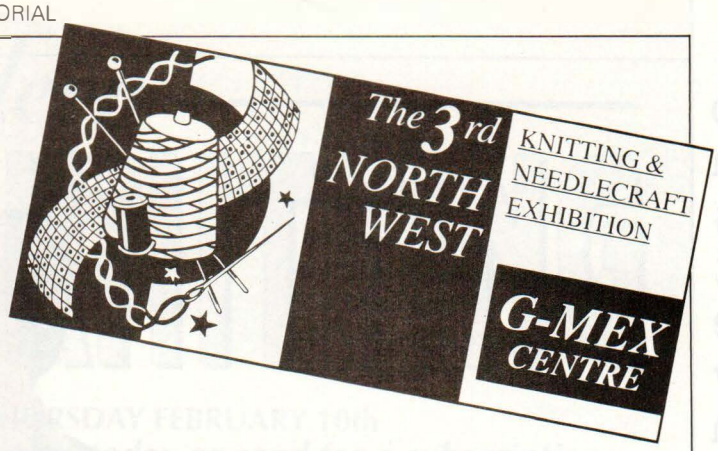

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pattern 5

Cotton checks

Yeoman Cannelé Cotton and Sport combines to produce a lovely fabric for this easy Fair Isle sweater designed by Barbara Tobias.

BACK

With carriage at right and using MC, cast on 168 [184, 198] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT–6/MT–6, K 36 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Cont in Fair Isle patt **. K 196 [206, 214] rows. Cont in st st and C. Using MT–1, K 4 [2, 2] rows. RC shows 200 [208, 216]. Push 54 [62, 67] Ns at left and right to HP. Using WY, K a few rows over rem 60 [60, 64] sts and release from machine. Push 54 [62, 67] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push 54 [62, 67] Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

FRONT

Work as for back to **. K 170 [178, 186] rows. 30 rows less have been worked to shoulder than on back.

Shape Neck

Note patt row on card. Using nylon cord, K 99 [107, 116] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge on every row until 57 [65, 70] sts rem, then on every foll alt row until 54 [62, 67] sts rem. K 8 [10, 10] rows. Cont in st st and C. Using MT–1, K 4 [2, 2] rows. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over 30 [30, 34] Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using MC, cast on 80 [84, 88] sts at centre in 1x1 rib. Work as for back from * to **. Shape sides by inc 1 st at each end of next and every foll 3rd row until there are 120 [126, 138] sts, then on every foll 5th row until there are 158 [164, 170] sts. K 7 [4, 7] rows.

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PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.
If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Sport 4-ply Wool. (Yarn Guide No. 11.)
1 x 500g cone in Black (MC).
Yeoman Cannelé Corded Mercerised 4-ply Cotton. (Yarn Guide No. 10.)
2 x 250g cones in Cream (C).

GARMENT WEIGHT
Finished garment in second size weighs 630g.

The fibre content of Sport is 100% Wool; Cannelé is 100% Cotton. For further information about this yarn, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicester LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust or chest 87-92 [97-102, 107-112] cm, 34-36 [38-40, 42-44] in.
Actual size 107 [117, 126] cm, 42 [46, 49½] in.
Length to shoulder 62 [64, 66] cm, 24½ [25, 26] in.
Sleeve seam 51 cm, 20 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
31 stitches and 37 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 8• (MT) and 7 (MT–1•)).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern

Back and Front
Using MT–1• and C, K 2 rows. Release card and cont in Fair Isle.
Using MT, K 26 [28, 30] rows C/MC and 10 rows MC/C. Lock card. Cont in st st and MC. Using MT–1•, K 4 rows. These 42 [44, 46] rows form pattern.

Sleeves
Using MT–1• and C, K 2 rows. Release card and cont in Fair Isle.
Using MT, K 24 rows C/MC and 10 rows MC/C. Lock card. Cont in st st and MC. Using MT–1•, K 4 rows. These 40 rows form pattern.

pattern 5

Hat, ACCESSORIZE. Trousers, KAYS CATALOGUE. Earrings, VITTI. Shirt, RICHARDS. Bag, SALISBURYS.

Clean and well maintained

Courtesy of Silver Knitting Machines, we give you some cleaning and maintenance tips direct from their Service engineers.

CLEANING AND MAINTENANCE TIPS FOR SILVER REED KNITTING MACHINES

Your Silver Reed knitting machine has been manufactured to the highest standards and, properly maintained, will give you hours of happy, trouble-free knitting.

VINYL TAPE

The tape protects the needlebed from erosion by the needles and should be replaced as soon as it shows signs of wear.

NEEDLE RETAINER BAR

The needle retainer bar should be changed every six months, or earlier if the machine is used frequently. If this is not done, damage will be caused to the needles and stitches will be dropped.

LATCH NEEDLES

Before using the machine, check all the needles for damage, for example, stiff/broken latches, bent needles (especially when using the lace carriage). Damaged needles can cause mis-patterning and/or dropped stitches.

BRUSH ARM

Check the brush arm regularly for damage (that is, bent). Round brush covers and brushes need to be replaced when damaged or worn.

The yarn feeder will need replacing when yarn feeder 1 becomes elongated.

CLEANING

Clean your machine and carriage thoroughly every week, using a clean cloth and cotton wool buds.

Electronic Machines

Take care not to damage the black timing rail at the rear of the needlebed, or the sensors located on the carriage.

LUBRICATION

Oil the front edge of the needlebed where the carriage slider sits and the rail along which the carriage pipe runs.

Oil all the metal cams on the underside of the carriage.

Note: Use only Silver Reed knitting machine oil.

MEMORY DRUM UNITS (PUNCHCARD MACHINES)

Check that no yarn is caught in the main drum and sub-drum mechanisms. This will cause pattern faults and eventually jam the mechanism.

SERVICING

Your machine should be serviced once a year by a qualified knitting machine engineer.

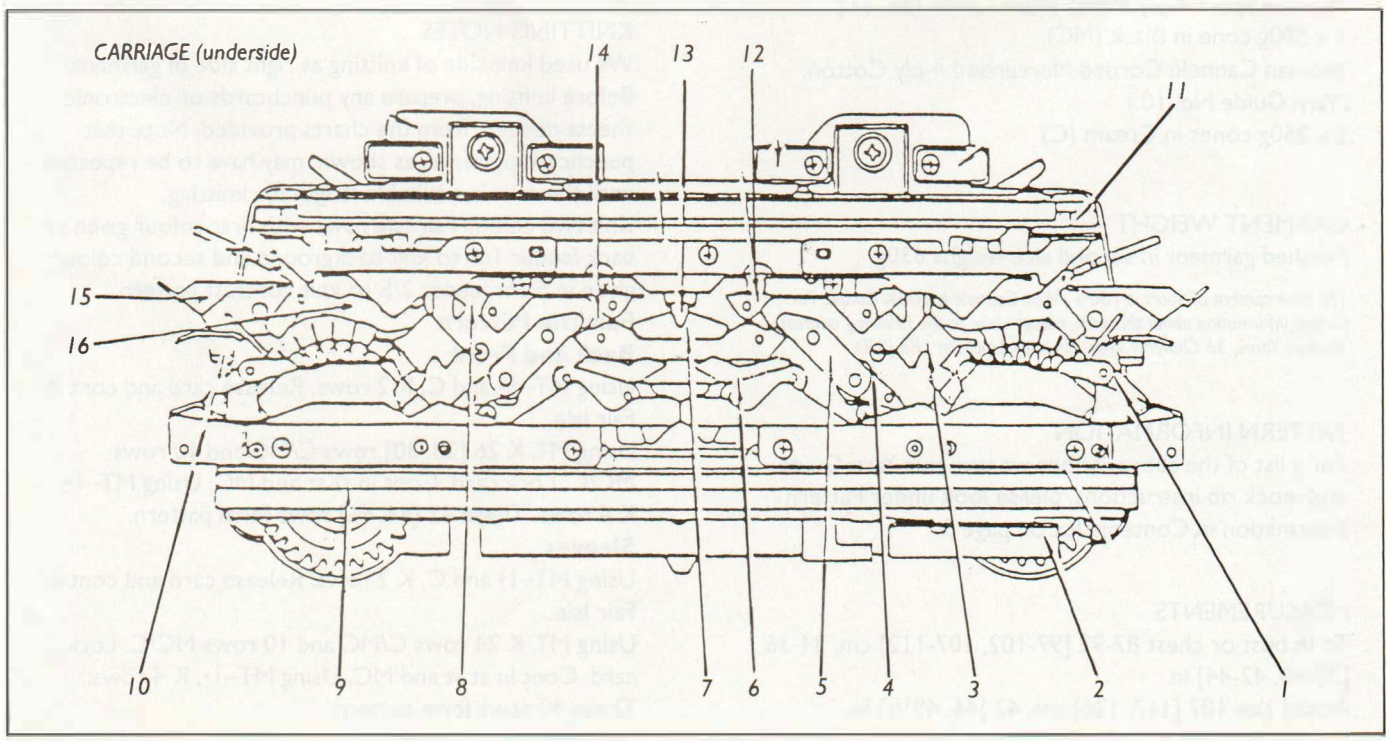
Note: Please do not attempt any repairs to the lace carriage brush arm. This must be done by a qualified knitting machine engineer.

CLEANING AND LUBRICATION FOR ALL PUNCHCARD MACHINES

Regular cleaning and lubrication are very important to maintain the proper operation of the knitting machine.

Clean and lubricate where illustrated below.

1. Side cam (R)
2. Driving Cam



3. Separation Cam (R)
4. Sub Cam (R)
5. Main Cam (R)
6. Knit-in Cam (R)
7. Centre Cam
8. Raising Cam (L)
9. Carriage Pipe
10. Side Cam Stopper (L)
11. Carriage Slider
12. Middle Course Cam (R)
13. Lowering Cam C
14. Lowering Cam B (L)
15. Intarsia Cam Base (L)
16. Intarsia Cam (L)

CLEANING AND LUBRICATION FOR ALL ELECTRONIC MACHINES

Regular cleaning and lubrication are very important to maintain the proper operation of the knitting machine.

NEEDLE SELECTION AREA – KNIT AND LACE CARRIAGE

PROBLEM: A lack of lubricant on the needle selecting base left and right will cause wear to the base and result in occasional incorrect needle selection.

MEASURES: Clean and apply lubricant (Silver machine oil) to the needle selecting bases at either end of the carriage (Figure 105). At the same time clean and lubricate the needle butts.

★ Lubrication will be required **twice** per week for normal home use. (Knitting one garment per day.)

★ For heavy use of the machine, lubricate the needle selecting bases and the needle butts every day.

★ If wear on the needle selecting cam is noted, ask your engineer to replace the cam.

SLIDER MAGNETS – KNIT AND LACE CARRIAGE

PROBLEM: Excessive lint on the HOK slider magnet A will disturb the proper movement of the slider and cause incorrect needle selection near the forward point cam on every row (Figure 106).

CHECKING: Move the carriage back and forth constantly and check the movement of the slider magnet by its constant clicking sound.

MEASURES: If the clicking sound is irregular, remove any lint and excessive oil from the magnet. But if the magnet still has poor movement, the magnets must be replaced.

PATTERN CARD/ DESIGN CARD

PROBLEM: Dust, marks or grease on the pattern card/design card will cause incorrect needle selection.

MEASURE: Wipe off the dust from the card and if the card is creased, scratched or marked, replace it with a new one.

Cotton checks

◀ 39

RC shows 160. Mark centre with WY. Cast off.

TO JOIN RIGHT SHOULDER

Push 54 [62, 67] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and C, K 1 row. Cast off.

NECKBAND

Push 164 [164, 172] Ns to WP. With K side facing, pick up 164 [164, 172] sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT–1 and MC, K 1 row. Transfer sts for 1x1 rib. Using MT–5/MT–5, K 24 rows. Transfer sts for st st. Using MT–1, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

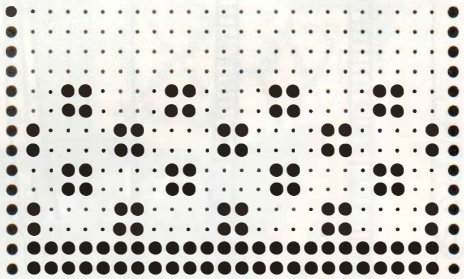
Work as for right shoulder, reading left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam carefully and allow to dry in shape.

MAKING UP

Set in sleeves, matching centre to shoulder seams. Join side, sleeve and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC.



PUNCHCARD CHART

FIGURE 105

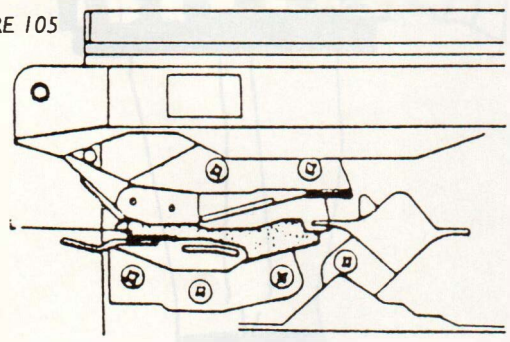
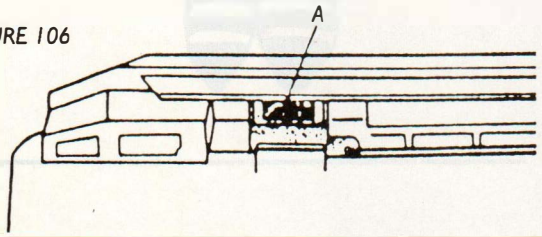
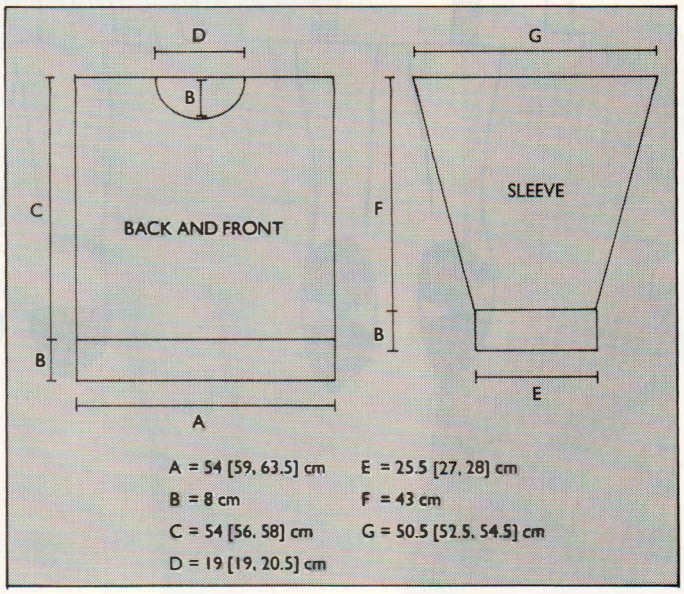


FIGURE 106





Angie © 1994

Swatch spot

Angie Gibbons shows us how to obtain the currently popular layered look with highly textured fabrics in luxury yarns.

Luxurious fabrics have been creeping into our everyday wear, now they have become predominant. Garments worked in velvet, satin, lace and silks, finished with beading and or embroidery, are the main focal point. They are layered with other garments made of soft jerseys, wool or silk crêpe and wool gabardine.

These fabrics are reflected in knitwear by the use of chenille, silk, cottons, cashmere, wool and viscose, also decorated with beading and embroidery.

Out of the many themes and styles shown on the catwalk this season, I liked the historical and romantic, similar to last season's gypsy look because of the layering of one garment over another to achieve the required result.

With such beautiful fabrics around, I thought that it was time to design some fabric textures that work effectively when used in layering and which will give a luxurious finish by use of yarn and beading. To start with, I have designed a fabric which is basically laddering, produced by knitting with some needles in working position and some needles in non-working position. As with all designs, the use of colour and texture can alter the final look of the fabric. For this reason I have worked the design twice, once to show the basic look, with two ways of using it and the second time to show a more elaborate finish. Each swatch has two layers; the top layer is designed to allow the second layer to show through. All the second layers are worked in stocking stitch. The top layer represents the top garment with the second layer being the garment underneath.

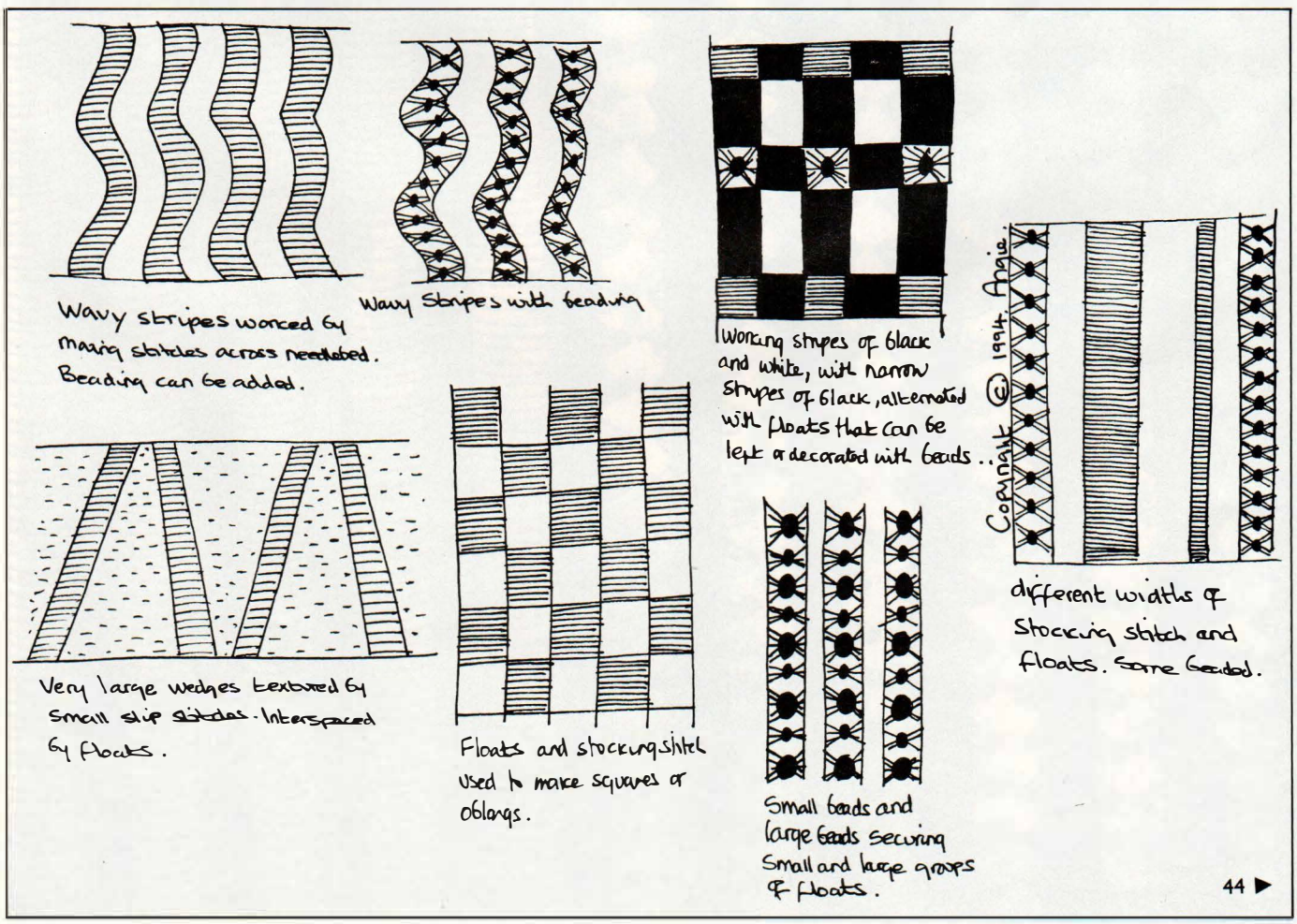
SWATCH ONE

I have worked with four needles in working position and four needles out to produce a laddering effect. This gives a textured basic fabric if used just as it is. On the other half of the swatch I have grouped the floats together with blanket stitch to create a lace finish. One colour only has been used, colours can be changed going down the row or each row can be in a different colour. The floats can be grouped into different amounts or some can be left straight while other sections are sewn together. This swatch has been worked in mercerised cotton with a cotton second layer.

SWATCH TWO

For this swatch, I have used chenille and worked the second layer in cotton and lurex for an added sparkle. The groups of floats have been decorated on alternate rows with long bugle beads of the same colouring as the second layer.

The stripe laddering can be altered in width by making the stocking stitch stripes wider or narrower. Colours can be changed while knitting, creating


Wavy stripes worked by making stitches across needlebed. Beading can be added.
Wavy Stripes with beading
Working stripes of black and white, with narrow stripes of black, alternated with floats that can be left or decorated with beads..
Copyright © 1994 Angie
different widths of stocking stitch and floats. Some beaded.
Very large wedges textured by small slip stitches. Interspaced by floats.
Floats and stocking stitch used to make squares or oblongs.
Small beads and large beads securing small and large groups of floats.

44 ▶

Swatch spot

stripes across. The design will work well on cropped tops or as a statement if used as a border. It will also suit waistcoats or work as a trim on a blouse cuff or collar or as a pocket detail.

In future issues I will take laddering and other basic machine methods further to show how a simple technique can be worked into some very interesting and effective fabrics.

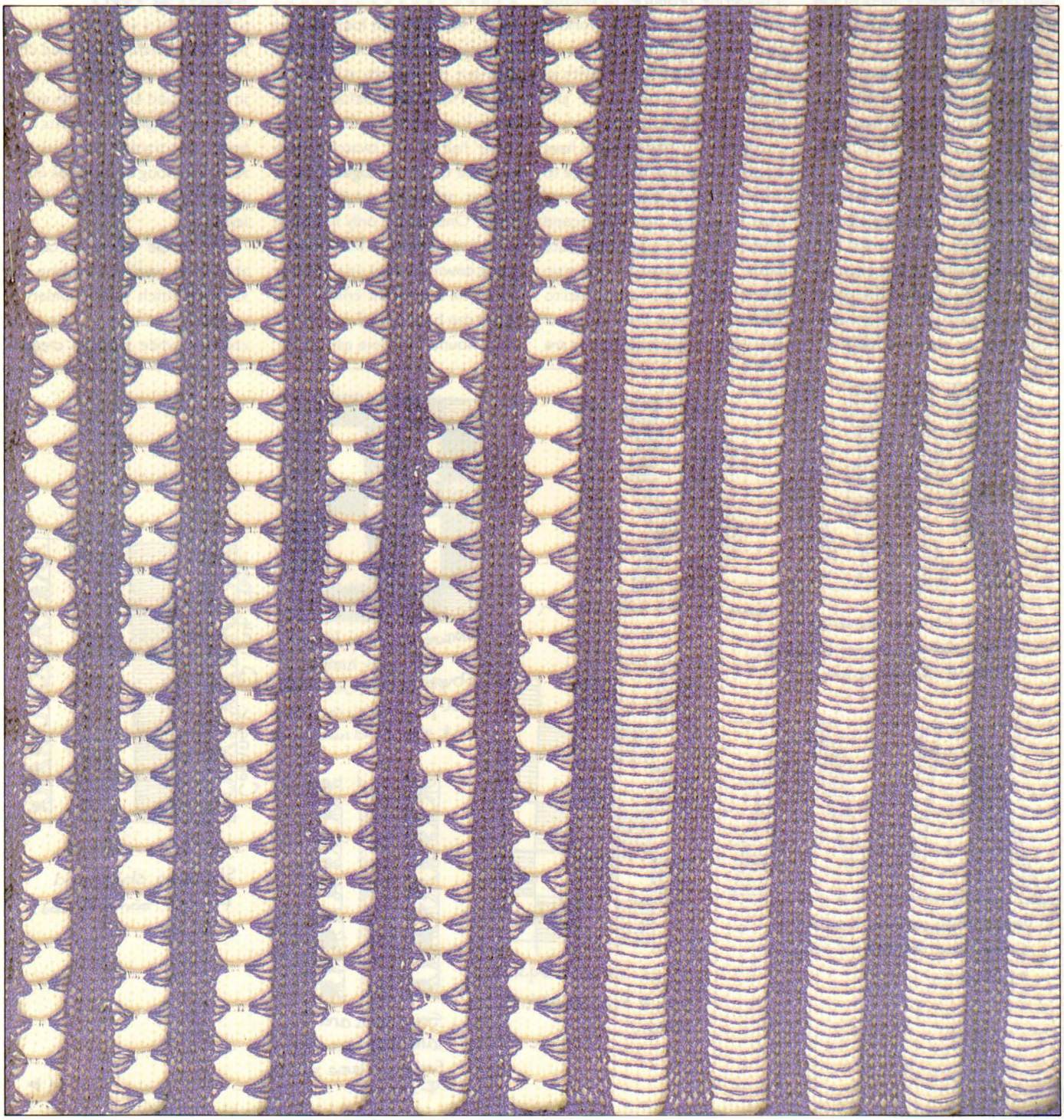
FABRIC INSTRUCTIONS

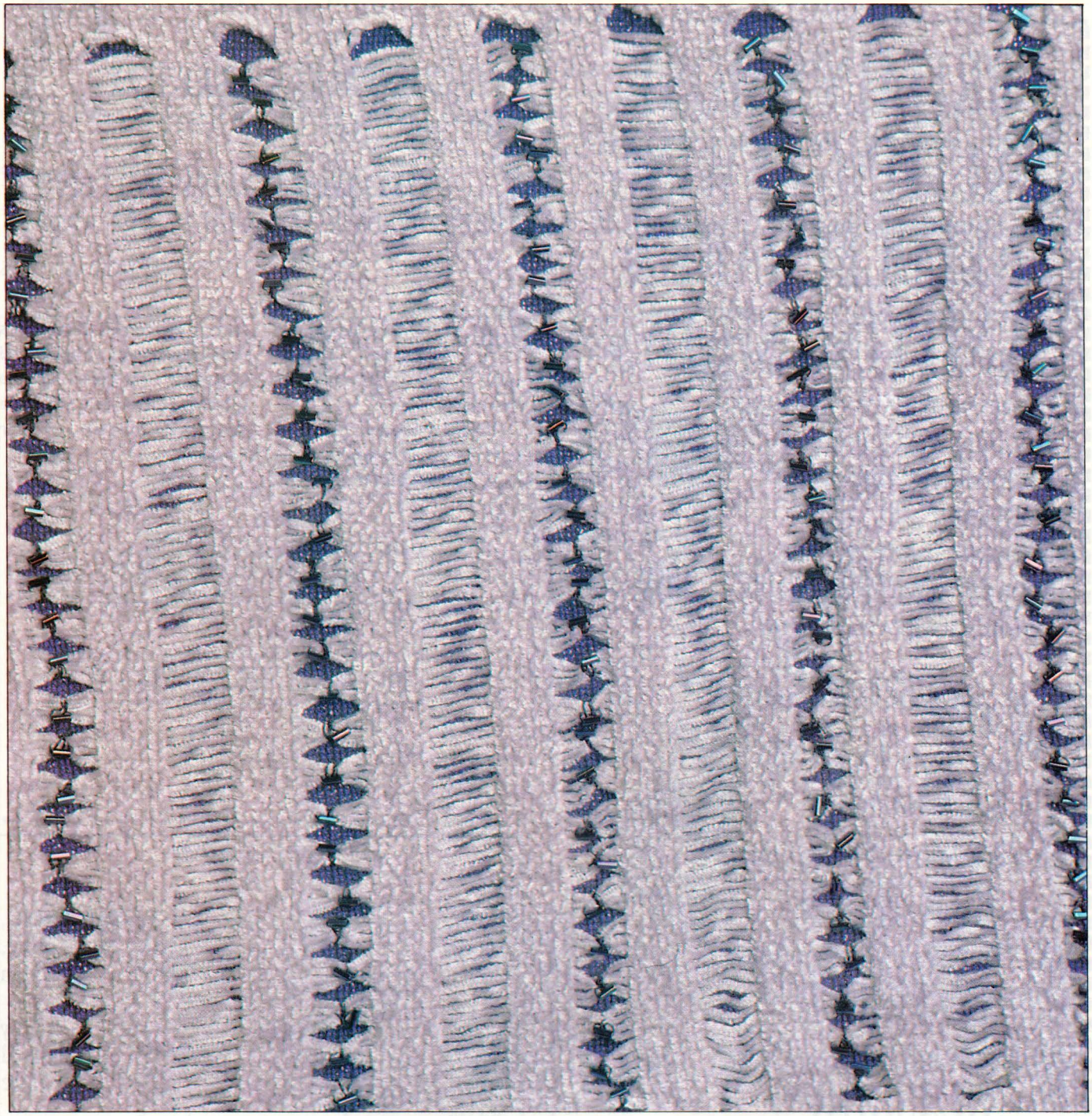
YARNS USED

Brockwell Yarns 2-ply Mercerised Cotton.
Forsell 2-ply Soft Cotton.
Yeoman Yarns 4-ply Chenille.
Bramwell Yarns Flat Lurex.
Silko sewing thread.
Beads: Small B.7 bugle beads, available at most craft, fabric and wool shops.

Col 1 = Violet Mercerised Cotton (657).
Col 2 = Calico Soft Cotton (700).
Col 3 = Lavender Chenille.
Col 4 = Violet Mercerised Cotton (657) with Violet Lurex.
Col 5 = Cream sewing thread.
Col 6 = Violet sewing thread.

SWATCH ONE





SWATCH TWO

SWATCH ONE

TOP LAYER

Push 46 Ns at each side of centre 0 to WP (92 Ns). Set carriage to stockinet. With Col 1 in feeder 1, cast on and knit 10 rows. Next row worked by hand: * knit 4 sts, cast off 4 sts by latchet tool *. Rep from * to * to last 4 sts. End knit 4 sts. Change carriage to other end of needlebed. Push empty Ns to NWP. Knit 112 rows. Push back empty Ns to UWP. Next row by hand: * Knit 4 sts, 'e' wrap next 4 Ns *. Rep from * to * to last 4 sts. End knit 4 sts. Knit 10 rows and cast off. Sew in all ends. Block sample with wrong side up. Steam swatch, not touching fabric. Leave to cool.

SECOND LAYER

Push 45 Ns each side of centre 0 to WP (90 Ns). With Col 2 in feeder 1, knit 176 rows and cast off. Sew in all ends and steam swatch lightly on wrong side.

FINISHING

With Col 5 and a fine needle, using double thread and starting at left side of swatch, group four floats together and secure by working six blanket sts. I carried the thread down to each group. For a neater finish, knot thread and cut at back of each group. Work as many rows as wished.

** To secure the two fabrics together, lay second layer under top layer. Oversew top edges together **.

SWATCH TWO

TOP LAYER

With Col 3 in feeder 1, work as for swatch one.

SECOND LAYER

Push 55 Ns at each side of centre 0 to WP (110 Ns). With Col 4 in feeder 1, knit 170 rows and cast off. Sew in ends and steam lightly on wrong side.

FINISHING

With Col 6 and a very fine needle, using thread single, starting at left side of swatch, group four floats together and secure by working three blanket sts. Thread one long bugle bead on to thread and sew into place. Knot thread and cut at back of work. Repeat process down row and on all alternate rows.

Rep from ** to ** as for swatch one.

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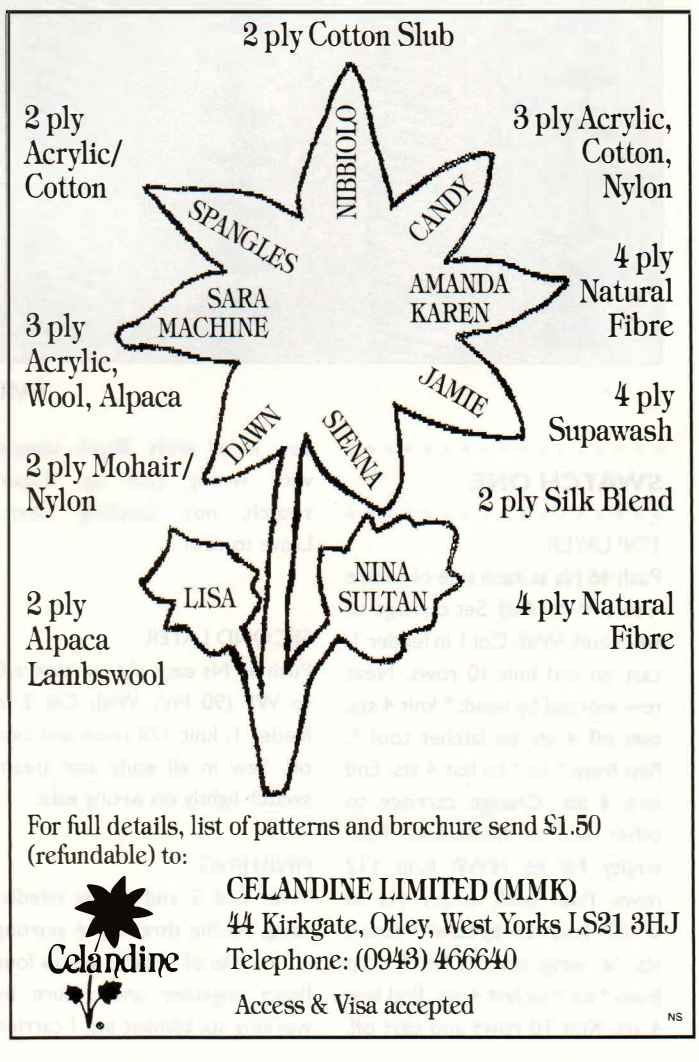
Competition winner

The Missing Link in our September competition was **'A stitch in time saves nine'.**

Our congratulations go to Mrs K. McCarthy of Langport, Somerset, who solved the clues and sent us the correct phrase. Mrs McCarthy has won a Hague Hand Linker to help speed up the stitching process and add some decorative touches to her knitwear.

1	I	N	V	E	S	T	
2	T	I	E	S			
3	M	A	C	H	I	N	E
4	S	A	T	I	N		



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BASIC CROCHET STITCHES

CROCHET is really an essential skill to have if you want to be a truly versatile machine knitter. Crochet can be used to create interesting surface decoration on your knitwear or to produce beautiful trimmings and edgings to give your knitwear that special touch. However, at its simplest level it can also be very basic and functional – perhaps the only way you can finish a raw edge to stop it rolling or the most efficient way of setting in a sleeve. If you don't know how to crochet, here's a step by step guide to the basics.

Whether you want to crochet an edging or a complete item, you cannot crochet until you have a 'loop' on your hook. To start, you can either a) insert your hook into the fabric, card, leather, knitting or anything else that takes your fancy OR b) make a slip knot.

How you hold your hook doesn't matter, but the loop has to go past the shaped part of the hook head on to the stem, or the tension will not be correct. If you've never crocheted before, try holding the hook like a pen, which should feel comfortable since most people are used to writing.

The yarn has to glide through the fingers in an uninterrupted flow. (See Fig. 1.) One way is to wrap the yarn round two fingers instead of just the little finger which prevents it from being gripped too tightly.

Unlike knitting, crochet stitches vary in height. Chains are made to 'lift' the hook at the beginning of the row.

When working into a fabric, insert the hook through the material, collect the yarn and pull through to the front. The hook has a loop over it through which crochet stitches can be made. (See Fig. 2.)

Alternatively make a slip knot. Ideally make the slip knot so that the loop tightens from the tail end.

With the loop on the hook, chains can be made either for a foundation chain or to 'lift' the hook from the fabric.

There are basically only three stitches in crochet, chain, double crochet and treble. All other stitches are variations.

Figure 1: Holding the yarn.

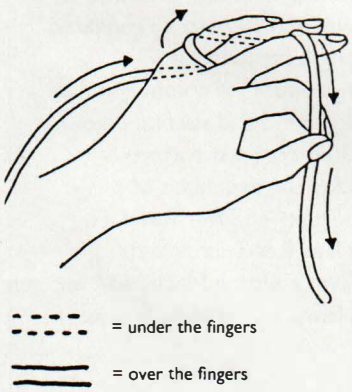
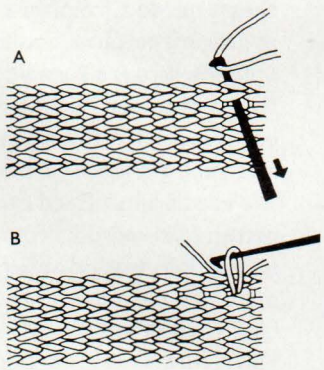


Figure 2: Working the fabric.



CHAIN

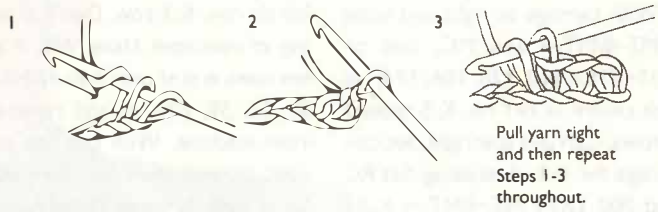
Place yarn over hook (yoh) and pull through loop already on hook – 1 chain (ch) made. Continue in the same way until the required number of chains has been made.

Figure 3

DOUBLE CROCHET

One chain is needed at the beginning of the row and is counted as the first stitch. Insert hook into next stitch (or fabric), yarn over hook (yoh), pull through to front of work (2 loops on hook), yarn over hook (yoh), pull through both loops – 1 double crochet (dc) made. (See Fig. 4.) This is a good stitch for edging a raw knitted edge.

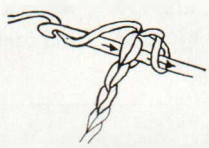
Figure 4



SLIP STITCH

Is worked like a dc but smaller. Therefore it doesn't need any turning chain and is rarely used without other stitches. Insert hook into work, yarn over hook (yoh), pull through to front *AND* loop already on hook – 1 slip stitch (ss) made. (See Fig. 5.) This is a good stitch for joining two knitted pieces together.

Figure 5



CRAB STITCH

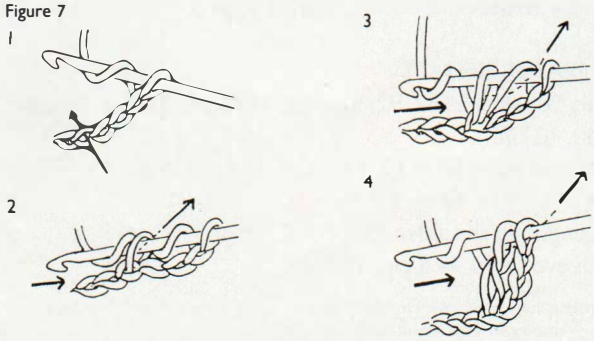
Another variation of double crochet is the Crab stitch, sometimes known as corded edge, rope stitch, etc. This is a double crochet stitch worked in the opposite direction. Right-handed people work crochet from right to left. For right-handed people the Crab stitch is worked from left to right. Insert hook into next stitch on the right, drop the hook on to the yarn (not yoh) and pull through to the front tilting the hook to ensure *TWO* loops are on hook, twist hook back to normal working position, yoh, pull through both loops – 1 Crab stitch made. (See Fig. 6.)

Figure 6

TREBLE

Three chains are needed to lift the hook for this taller and most common of all crochet stitches, yoh *BEFORE* inserting hook into work, yoh, pull through to front (giving three loops on hook), * yoh, pull through two loops, repeat from * once leaving one loop on hook – 1 treble (tr) made. (See Fig. 7.)

Figure 7



Check mate

Whether playing chess or walking your favourite dog, Fran Francis' houndstooth check sweater in Forsell Pure New Wool 4-ply is sure to be a winner!

BACK

With carriage at right and using MT–8/MT–8 and MC, cast on 154 [162, 170, 178, 186, 194] sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT–4/MT–4, K 14 rows. Transfer sts for st st. Set RC at 000. Using MT, cont in Fair Isle patt *. K 230 rows.

Shape Neck

Note patt row on card. Using nylon cord, K 107 [111, 115, 119, 123, 127] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 2 sts at beg of next and foll alt row, K 1 row. Dec 1 st at beg of next row. Using WY, K a few rows in st st over rem 42 [46, 50, 54, 58, 62] sts and release from machine. With carriage at right, unravel nylon cord over 60 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to *. K 206 rows.

Shape Neck

Note patt row on card. Using nylon cord, K 97 [101, 105, 109, 113, 117] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of every row until 42 [46, 50, 54, 58, 62] sts rem. K 14 rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over 40 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using

pattern 6

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.
If you don't have a ribber, work ribs in mock rib.

MATERIALS
Forsell Pure New Wool 4-ply. (Yarn Guide No. 11.)
1 x 500g cone in Ivory (MC).
1 x 500g cone in Black (A).
A small amount in Hollyberry (B).

GARMENT WEIGHT
Finished garment in third size weighs 580g.

The fibre content of this yarn is 100% Wool. For further information about this yarn, please write to the following address:- T. Forsell & Son Ltd., Blaby Road, South Wigston, Leicester LE8 2SG.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97, 102, 107] cm, 32 [34, 36, 38, 40, 42] in.
Actual size 104 [110, 115, 121, 126, 132] cm, 41 [43 1/2, 45 1/2, 47 1/2, 49 1/2, 52] in.
Length to shoulder 69.5 cm, 27 1/2 in.
Sleeve seam 46.5 cm, 18 1/2 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
29 stitches and 36 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment. Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.
We used a Silver Reed card for the main part of this pattern and reproduce it courtesy of Silver Reed. For further information about Silver Reed cards and machines, please write to Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.

Fair Isle Pattern

Insert card 1 and lock on first row. K 4 rows MC. Release card and cont in Fair Isle. K 4 rows MC/B. Remove card. Insert card 2 and lock on first row. Cont in st st. K 4 rows MC. Release card and cont in Fair Isle. K 28 rows MC/A. Remove card. Insert card 1 and lock on first row. Cont in st st. K 4 rows MC. Release card and cont in Fair Isle. K 4 rows MC/B. Remove card. Insert card 3 and lock on first row. Cont in st st. K 4 rows MC. Release card and cont in Fair Isle with MC in feeder 1/A and A in feeder 2/B.

Scarf, DEBENHAMS. Leggings, LITTLEWOODS CATALOGUE. Bag, DOLCIS. Earrings and Bangle, VITTI.

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Check mate

◀ 48

MT–8/MT–8 and MC, cast on 76 sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT–6/MT–6, K 30 rows. Transfer sts for st st. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 3rd row until there are 90 sts, then on every foll 4th row until there are 150 sts. K 3 rows. RC shows 144. Cast off.

TO JOIN RIGHT SHOULDER

Push 42 [46, 50, 54, 58, 62] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT+1 and MC, K 1 row. Cast off.

NECKBAND

Push 180 Ns to WP. With K side facing, pick up 180 sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT and A, K 1 row. Transfer sts for 1x1 rib. Using MT–6/MT–6, K 27 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

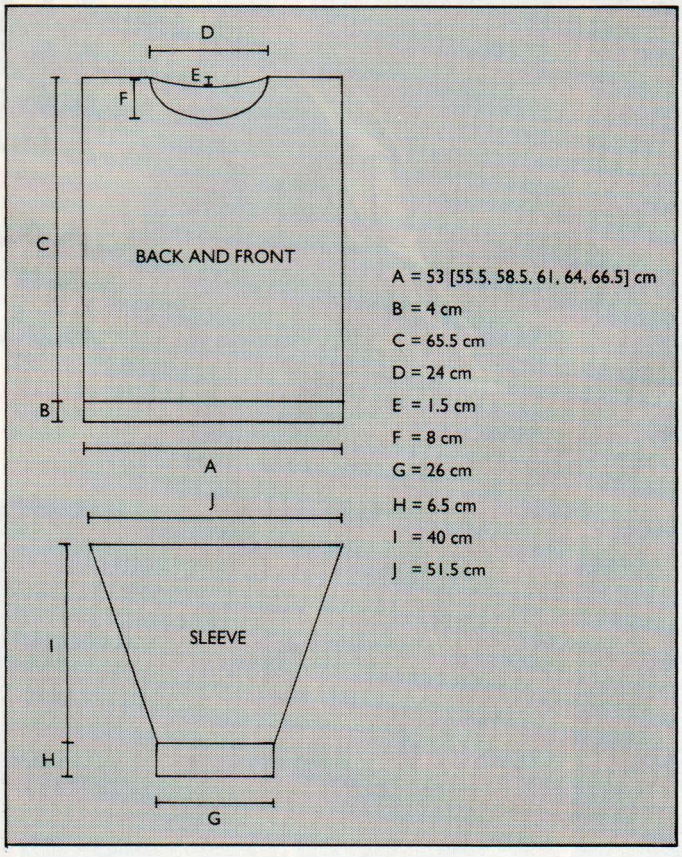
Work as for right shoulder but read left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP

Set in sleeves, matching centre to shoulder seams. Join side, sleeve and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in A.



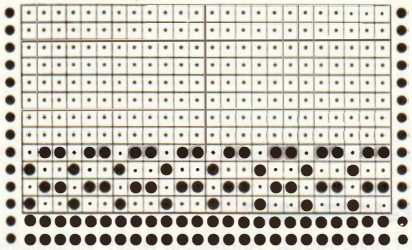


CHART 1

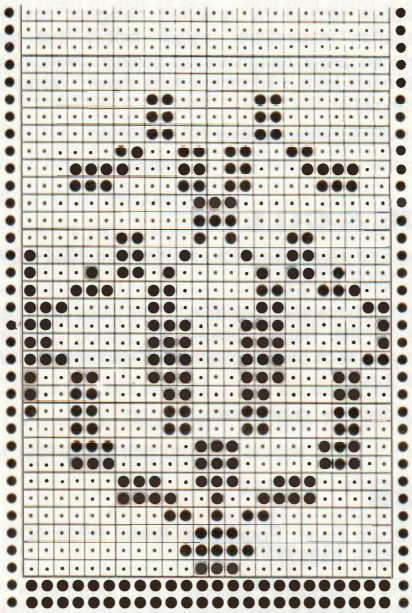


CHART 2

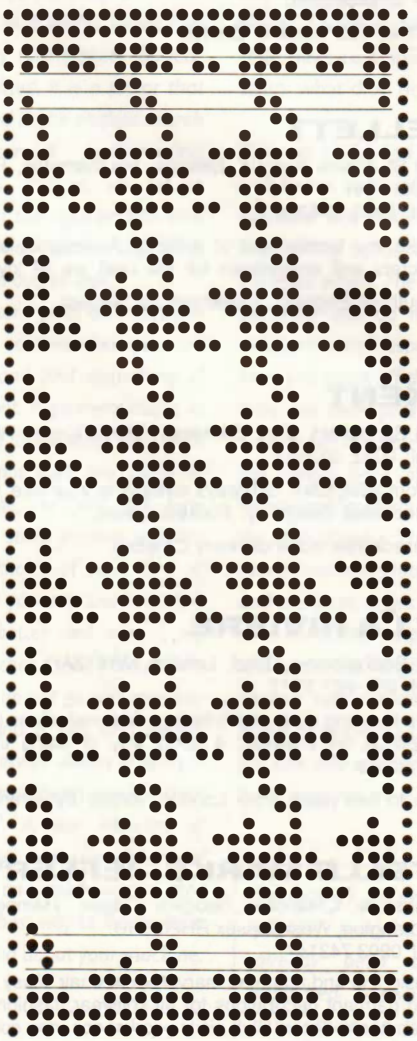


CHART 3

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c/o 16 Renoir Court, Fairlands Estate, Bognor Regis, West Sussex PO22 9AY.
Tel: 0243 826125

Subject: Combined talks on:
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TALK 2: "Inspirational Variations". How to get more out of your punchcard and electronic designs, plus all the latest of our products.

Travel: No restriction.

ANN BROWN

Posh Frocks, 35 The Links, Whitehall, Bordon, Hampshire GU35 9HB.
Tel: 0420 474904

Subject: All aspects of design from techniques to pressing, including slide show, also Passap/Pfaff.

Travel: Club Talks – 100 miles. Workshops/Hands on – any distance.

RUTH COX

Pippin Designs, 22 Clifton Road, Dunstable, Bedfordshire LU6 1LU.
Tel: 0582 605808

Subject: No ugly ducklings. Bears, babies and beautiful dolls. Hints and tips on how to make machine knitted toys successfully.

Travel: 50-mile radius, further by arrangement.

MAUREEN COXON

29 Walthamstow Drive, Derby DE3 3GZ.
Tel: 0332 45357

Subject: Fashion design, streamlined construction and individual finish topics, e.g. "Lovely and large", etc., "stitch related graph tracing paper". SAE for descriptive lists.

Travel: 60-mile radius, further by arrangement.

WENDY DAMON

9 Sedley Close, Cliffe Woods, Rochester, Kent ME3 8HE.
Tel: 0634 221629

Subject: Design Ideas, Using Punchcards Creatively, Double Jacquard, Surface Decoration and more – send for full details of talks and workshops.

Travel: 100-mile radius of Rochester for talks, more for workshops.

ANN DISHMAN

Briarbank, Highview Lane, Ridgewood, Uckfield, East Sussex TN22 5SY.
Tel: 0825 767757

Subject: Life with Angoras. Angora yarn; its uses, handspinning for the knitting machine. Rainbow dyeing of commercial and handspun yarns with demonstrations.

Travel: Reasonable distance as rabbits also travel to clubs.

ANN DURKAN

Michaelmas Cotttage, Twineham, West Sussex RH17 5NN.
Tel: 0444 881556

Subject: Lively lecture by qualified designer, concentrating on creativity, garment design and imaginative use of colour and texture. Emphasis on *Elegance made Easy*. Plenty of sample garments to try on and have fun with. Workshops also arranged.

Travel: No restriction.

ANGIE GIBBONS

26 Cripps House, Henderson Road, Broadfields, Crawley, West Sussex RH11 9HY.
Tel: 0293 523805

Subject: Creative lecture by qualified designer covering design research, inspirations, colour theory and yarn usage. Detailed design techniques as given in *Swatch Spot* articles. Garments from children to adults shown. Workshops can be arranged.

Travel: Any distance considered.

B HAGUE & CO LTD

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Tel: 0602 870031

Subject: We now have staff available to visit clubs demonstrating the use of the Hague Linker, for joining garment seams, applying neck bands, chain stitch decoration, making hems and more.

Travel: Any distance considered.

JACPACS

19 South Road, Portishead, Bristol BS20 9DU.
Tel: 0275 842677

Subject: Double Jacquard knitting, an informative talk and demonstration on all aspects of double Jacquard knitting, using the double bed colour changer or the Jac-Card, covering design and punchcard conversion. Workshop days by arrangement.

Travel: Within 100 miles of Bristol.

ROZ KELLETT

68 St Aubins Avenue, Bitterne, Southampton, Hampshire SO2 8NW.
Tel: 0703 446389

Subject: Take the tension out of knitting. A designer shares her secrets and enthusiasm for the craft we all love.

Travel: South of England, elsewhere by request.

ANNE KENT

23 Springfield, East Grinstead, West Sussex RH19 2RT.
Tel: 0342 313562

Subject: Informative talks; Sideways sweater to your size; Size right; Punchcard designing; Pockets galore.

Travel: Reasonable distance from Croydon.

PEGGY LA RIVIERE

67 Bartholomew Road, London NW5 2AH.
Tel: 071-267 2712

Subject: The blocking cloth and finishing; demonstrations of stitched appliqué on knitwear; a good way of using up tension swatches.

Travel: Up to two hours from London, further by arrangement.

CHRISTELLE MARKS-JEFFERY

Christelle Creations, Badgers Copse, Hampers Lane, Storrington, West Sussex RH20 3HU.
Tel: 0903 743147

Subject: Designing and adorning marvellous mohair. Easy appliqués and garment decorations for all knitwear, fashionwear and even home decor. Club visits, workshops, day courses and mail order available.

Travel: Any distance considered.

VALERIE MEECHAM

White Gates, Dowlish Wake, Ilminster, Somerset TA19 0NZ.
Tel: 04605 4670

Subject: Single and double bed work on Japanese and Swiss machines; 14 subjects; New techniques; Talks and Demonstrations.

Travel: 90-mile radius of Ilminster.

CAROLE MOUNCE-STEPHENS

'Carole Anne', 108 Broadway, Southbourne, Dorset BH6 4EH.
Tel: 0202 425244

Subject: Any topic on Japanese machines. 'Machine knitting – the easy way.'

Travel: Reasonable distance from Bournemouth.

ANNE REID

Undy Yarns, 4 Bridewell Gardens, Undy, Gwent NP6 3JZ.
Tel: 0633 881028

Subject: Demonstration and talk on DesignaKnit. All your queries answered. We can also bring Bonnie's Yarn Warehouse to your club with club discounts.

Travel: South and South/West Wales. Further by arrangement.

RIVERSIDE SPINNING COMPANY

93 Grosvenor Road, Shipley, West Yorkshire BD1 4RB.
Tel: 0274 596875

Subject: Lively and interesting talk on all aspects of spinning, from the sheep to the cone, by former Amberyarn manufacturers.

Travel: All areas considered.

JENNY ROSE

12 Bercta Road, London SE9 3TZ.
Tel: 081-859 2745

Subject: Knitting with mohair; Punchcard design; Surface decoration; Yokes galore; Ribber workshop. Send SAE for further details.

Travel: No restriction.

ANN ROSS

Ann's Yarns, Unit 30, Fourth Avenue, Bluebridge Industrial Estate, Halstead, Essex CO9 2SY.
Tel: 0787 476540

Subject: Any subject on the Japanese machines. Yarns and books available.

Travel: 60-mile radius. Further by arrangement.

JANET SPINK

9 Fairview Close, Drayton, Norfolk NR8 6RT.
Tel: 0603 867332/0860 620407

Subject: Ex-brother demonstrator. Will demonstrate most knitting techniques, including fancy ribber stitches, jacquard, neck bands, garter bar, Brother electronics, technical lace, etc. Workshops arranged.

Travel: Up to 200 miles.

PAM TURBETT

17 Forest Rise, Liss Forest, Liss, Hampshire GU33 7AU.
Tel: 0730 893654

Subject: Cut and sew, i.e. dressmaking with fabrics made on your machines.

Travel: No restriction.

TRISHA WHITFIELD

5 Brentwood Avenue, Cadishead, Manchester M30 5JS.
Tel: 061-775 5257

Subject: Pressing knitwear; Appliqués; Fabric paints and how to get the most out of them; Designer techniques and how to make the most of your knitting.

Travel: Distances covered normally within 100-mile radius of Manchester, but special arrangements can be made for longer distances.

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Clubs, classes & courses

CLUB MEETINGS

Chiltern Machine Knitting Club meet every third Wednesday from 7.45pm at Amersham Common Hall, White Lion Road, Amersham, Buckinghamshire. For more information please telephone C. Cameron-Wilson on 0895 833920.

The **Bognor** Thursday Knitters Club has had to change it's meeting place to accommodate growing membership and now meets at the Royal British Legion Club, Hewarts Lane, Celdwick. Contact Doreen Hollister on 0243 542014 or Beryl Hurst on 0243 266855 for details of meeting times.

Horwich Machine Knitting Club meet on the first Thursday of every month from 7.30pm to 9.30pm in the Pensioners' Hall, Rock Street, Horwich, Bolton, Lancashire.

All levels of experience are catered for and there are demonstrations every month.

Telephone Lesley Lewis on 0942 818536 for further details.

The **Little Acorn** Machine Knitting Club, **Seaford** have recently had a change of officers. Mrs Kathy Haynes is now the Organiser/Secretary and Mrs Frances Greenall is treasurer.

Meetings are held on the second Friday of each month at the Methodist Church Hall, Millberg Road, Chyngton Estate, Seaford from 7.15pm.

CLUB WANTED

Mrs M. Wilkinson is having difficulty locating a club near Ashton in Makerfield, Wigan.

Clubs in the area who would welcome a new member please send us your details for publishing in a future issue.

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Tuck stitch texture

Three quarter length, set-in sleeves and wide boat neckline feature in this lovely tuck stitch sweater.

pattern 7

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber. If you don't have a ribber, work ribs in mock rib.

MATERIALS
Denys Brunton DeLux 4-ply. (Yarn Guide No. 11.)
1 x 500g cone in Cream (MY).

GARMENT WEIGHT
Finished garment in second size weighs 260g.

The fibre content of this yarn is 100% Courtelle Acrylic. For further information about this yarn, please write to the following address:- Denys Brunton Designer Yarns, Moorland Mills, Law Street, Bradford Road, Cleckheaton, West Yorkshire BD19 3QR.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97, 102, 107] cm, 32 [34, 36, 38, 40, 42] in.
Actual size 92 [97, 102, 107, 112, 117] cm, 36 [38, 40, 42, 44, 46] in.
Length to shoulder 55 cm, 21½ in.
Sleeve seam 32 cm, 12½ in (adjustable).

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
24 stitches and 54 rows to 10 cm, 4 in measured over tuck stitch (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used purl side of knitting as right side of garment. Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming.

BACK

With carriage at right, set machine for 1x1 rib. Push 56 [59, 62, 65, 68, 71] Ns at right and 57 [60, 63, 66, 69, 72] Ns at left of centre 0 to WP. 113 [119, 125, 131, 137, 143] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1x1 rib. Using MY, cast on and K 5 tubular rows. * Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT–4/MT–4, K 44 rows. Transfer sts for st st *. Insert punchcard and lock on first row. Release card and cont in tuck st patt. K 118 rows. RC shows 120. Place marker at each end.

Shape Armholes

Dec 1 st at each end of next and every foll alt row until 97 [103, 109, 115, 121, 127] sts rem, then on every foll 3rd row until 89 [95, 101, 107, 113, 119] sts rem **. K 80 rows. RC shows 228.

Shape Neck

Note patt row on card. Using nylon cord, K 73 [76, 79, 82, 85, 88] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side, K 1 row. Dec 1 st at beg of next and every foll alt row until 8 [11, 14, 17, 20, 23] sts rem. Cast off. With carriage at right, unravel nylon cord over 57 Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in tuck st patt. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to **. K 76 rows. RC shows 212.

Shape Neck

Note patt row on card. Using nylon cord, K 57 [60, 63, 66, 69, 72] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 2 sts at beg of next and every foll alt row until 16 [19, 22, 25, 28, 31] sts rem, K 1 row. Dec 1 st at beg of next and every foll alt row until 8 [11, 14, 17, 20, 23] sts rem. Cast off. With carriage at right, unravel nylon cord over 25 Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in tuck st patt. Finish to correspond with first side, reversing shapings.

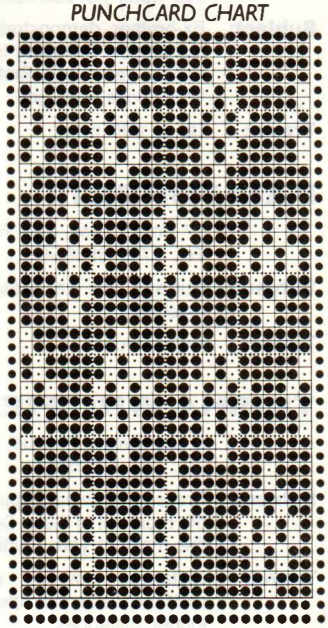
SLEEVES

Push 55 Ns at right and 56 Ns at left of centre 0 to WP. 111 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Insert punchcard and lock on first row. Set RC at 000. Using MY, K 2 rows. Release card and cont in tuck st patt. K 118 rows. RC shows 120 and work measures 22cm, 8¾ in. Adjust length at this stage, if desired. Place a marker at each end.

Shape Top

Dec 1 st at each end of next and

PUNCHCARD CHART



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Skirt, Necklaces, RICHARDS. Hat, ACCESSORIZE. Scarves, BOW BANGLES, Shoes, CABLE & CO. Bangles, VITTI, Tights, GOLDEN LADY.

Welcome to machine knitting

Bands are a small but very important part of a garment. This month Hazel explains how to achieve a beautiful buttonhole band.

There's a well known saying that it's the little things that count. Applied to machine knitting, it can be the finish of the button and buttonhole bands. Some forward planning and neat finishing is all that is needed.

BUTTON BANDS

There are two basic methods of knitting button bands on a single bed machine. The first is to knit the band separately and then attach it to the garment; the second is to knit it sideways on to the garment. Both methods have their advantages and disadvantages; the secret of success is to think before you start and decide which method will best suit the garment you are knitting. There is no 'right way', it depends on the garment and the effect you want to achieve. Each garment should be judged on its own merits.

PREPARATION

Most of us, I hope, are fairly good at knitting tension swatches and checking the measurements for the finished garment. However, many otherwise conscientious machine knitters tend to neglect the details of the 'bits and pieces' such as button bands and pockets. The finishing touches are often the things that can change a garment from looking mediocre to really smart. For the sake of a few extra minutes and care, you can give your garment a really professional finish.

BEFORE YOU START

Before you embark on the finished piece it's always worth knitting a tension swatch for your button band. Cast on with waste yarn, using the number of stitches suggested for the band and knit a measured number of rows in main yarn at the button band tension. This is usually a dot or two tighter than main tension. The length of the button band is not so vital but the length of the buttonhole band is and you need to know how many rows to knit between each buttonhole. The best way to calculate this is to pin or sew up the garment as far as you can and then, with the fronts in place as they will be when the garment is finished, mark the position of the buttonholes. Now, with your button band swatch, you can count how many rows you will need to knit between each buttonhole. Don't forget that the first one will be about a half to one inch up from the bottom and then the buttonholes will be evenly spaced. Remember, too, that the band is stretched slightly as you attach it – so you need to allow for this as you measure.

TO KNIT A BAND LENGTHWAYS

Having checked the number of rows you will need and allowed a few extra inches, cast on and knit the band. Remember that it will be doubled over, so for a band ten stitches wide, you will need 20 stitches. When the band is as long as you think it needs to be, run it off on waste yarn and then, if you have misjudged, you can add or subtract a few rows.

TO ATTACH THIS BAND

To attach the band to the garment you will need to pin it carefully and either backstitch or mattress stitch the first side on to the garment edge with right sides facing each other. Stretch the band slightly as you pin and sew and then the band will not flare out. To attach the inner edge you can slip stitch it into place neatly and then finally finish off the ends. Take care that neither end falls short of the garment as this will spoil the whole finish. If you cast on and off with waste yarn and allow a couple of extra rows at each end for sewing in, you'll be able to neaten the ends off without losing any of the finished length.

KNITTING THE BAND SIDEWAYS

There are two methods of knitting the bands sideways.

METHOD ONE

First of all, you need to decide how many pieces are needed to knit the band. Usually, it will be two pieces. With the wrong side of work facing, hold it up to the machine and, without stretching it, gauge how many needles you need to bring into the working position.

TO PICK UP THE EDGE

This is the method I have found easiest. With wrong side of work facing, pick up the stitches evenly along the edge of the garment. As you pick up the stitches, make sure that you are picking them up in a straight line. Look over the knitting to the right side of the work as you push your transfer tool through and you'll be able to see if you are staying in a straight line. Leave two needles at each end empty for the moment. Put the first stitch at one end on to the third needle and repeat at the other end. Now put on the centre stitch and then one stitch opposite each number on the needle bed. This might sound a bit silly but it enables you to look and see if the gaps between each stitch on the machine are even. If they are, you can carry on and put on the rest of the stitches but if they are not, it's an easy matter to adjust them at this stage and get them right before continuing. This system is much better than starting at one end and putting the stitches on in a straight line – only to find that you have too few or too many stitches when you reach what should be the end. Having attached the edge to the machine, bring all the needles out to holding position and, with carriage set to knit, knit one row at main tension. Before you go any further, check that all stitches have knitted correctly. If a stitch has missed or not knitted through, simply knit it back by hand and pull the needle out to holding position for one more row and all will be well. Set the row counter to 0 and turn your tension dial to the required tension. Once you've knitted the first row at main tension (which is, in effect, the joining row), cast on two extra stitches at the beginning of the next two rows by hand and these will give you that bit of extra length for sewing the end in neatly without losing any length on the band.

KNIT THE BANDS

The bands are knitted twice the length required because they are folded over to make a double band. To join the band, pick up alternate stitches from the first row knitted (joining row) and

place them on to alternate needles. Again, this row will knit more easily if you bring the needles forwards to holding position. With carriage set to knit, knit one row at tension 10 and cast off with a latch tool. To complete the band, sew up the ends neatly and press, if necessary.

METHOD TWO

This is worked in the same way as method one except that you pick the stitches up with the RIGHT side of work facing. When the band is finished, knit one or two extra rows to make sure that the pick up line is covered and then run off on waste yarn. To complete the band and join it to the garment, backstitch through the last row knitted in the main yarn as you may have done for a neckband.

BUTTONHOLES

Most button bands knitted on a single bed machine are knitted double, so you will need to make two buttonholes for each.

A SIMPLE BUTTONHOLE

This is suitable for all childrens' garments and small buttons. It is quick and easy and needs no finishing. Transfer one stitch from one needle to the next, leave the empty needle in working position and carry on knitting. This makes a hole suitable for a small button. Some patterns instruct you to work buttonhole stitch round the edges of the buttonholes but this is not necessary and, unless you are very careful, you will make the edges too tight and the holes too small.

A LARGER BUTTONHOLE

To knit these buttonholes you will need some short lengths of contrast yarn. Use a yarn which is neither fluffy nor hairy and which is a good contrast colour to your main yarn. When you reach the buttonhole position, pull out the number of needles you require for the buttonhole width and then, with the spare yarn, knit them back to the working position and carry on knitting. (Don't forget that you are doing two buttonholes for each one.) When the band is completed, the waste yarn is carefully removed and the two sides of the buttonhole are joined together by grafting the stitches.

The waste yarn is best removed by snipping it carefully and pulling it out in small lengths rather than trying to pull it out in one long length. Take care not to pull the stitching too tight as you graft. This buttonhole is easy to do and is suitable for any size buttonhole.

A REALLY SMART BUTTONHOLE

This is my favourite buttonhole. It is suitable for any size button and although it takes a little longer to knit, it is well worth the effort and there is no extra finishing to do when the band is complete. The explanation takes longer and sounds more difficult than the actual knitting – truly it does! The best way to learn this method is to knit the following sample. As with everything, it becomes easier with practice and once you have done two or three buttonholes, you will be speedy and find it quite simple.

Choose some light coloured four-ply, smooth yarn for your practice piece. You will also need some short lengths of contrast yarn. Again, avoid the fluffies and hairies! Use an old tension swatch to represent your garment piece and pick up the front edge as already described. Set the row counter to 0, adjust the tension to suit the band and knit five rows. Now mark the needles that are to be your buttonholes by bringing them out to holding position and knitting them back to working position with a length of your contrast yarn. Do this for each buttonhole and remember when you do the actual band that you need to space them out evenly. Knit five more rows and one row at tension ten for the

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D4

Tuck stitch texture

◀ 54

every foll alt row until 95 sts rem, then on every foll 3rd row until 87 sts rem. Cast off.

CUFFS

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 86 sts in 1x1 rib. K 5 tubular rows. Work as for back from * to *. With K side facing, replace 111 sts from lower edge of sleeve on to Ns gathering evenly. Using MT, K 1 row. Cast off.

NECKBAND

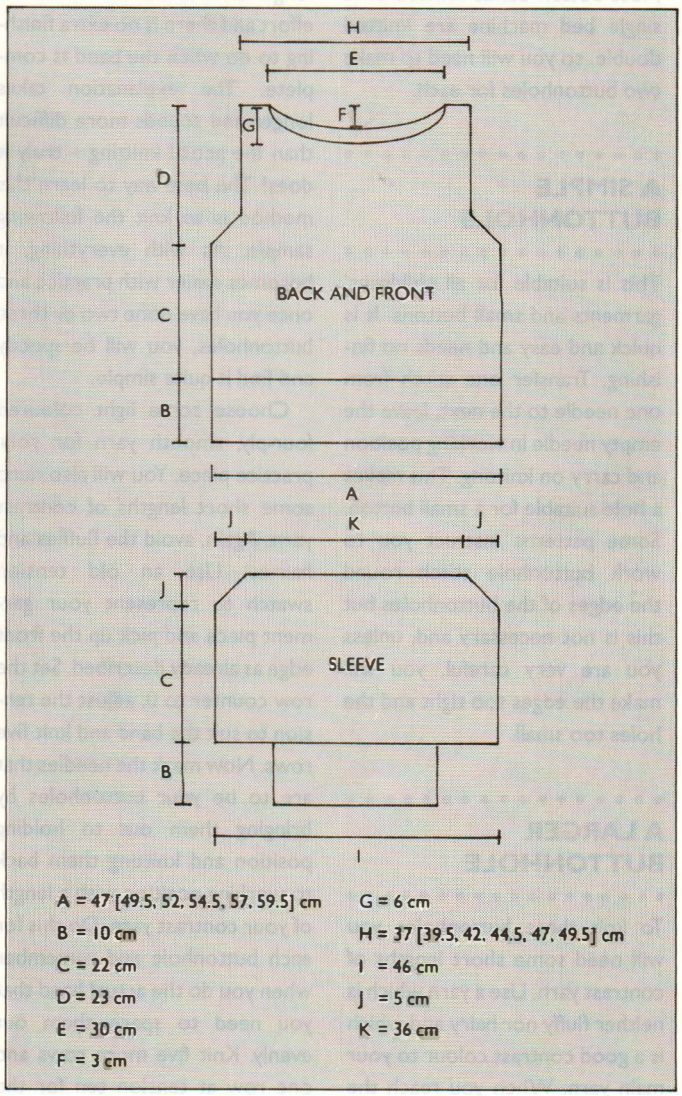
Join right shoulder seam. With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 186 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT–5/MT–5, K 11 rows. Transfer sts for st st. With K side facing, pick up 186 sts around neck edge and place on to Ns. Using MT, K 1 row. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join left shoulder and neckband seam. Set in sleeves between markers. Join side and sleeve seams.



A = 47 [49.5, 52, 54.5, 57, 59.5] cm
B = 10 cm
C = 22 cm
D = 23 cm
E = 30 cm
F = 3 cm
G = 6 cm
H = 37 [39.5, 42, 44.5, 47, 49.5] cm
I = 46 cm
J = 5 cm
K = 36 cm

fold line. Knit another five rows at the original tension. Bring the first set of needles for the first buttonhole slightly forwards so that you can see which needles you are working on. With your transfer tool pick up the first loop from the right of the first row knitted after the waste yarn and hook it on to the first needle for the buttonhole. See diagram. Knit it back by hand. Transfer the second stitch (left of the first needle) on to the first needle and knit it back by hand. Return the first stitch to the second needle, leaving the first needle empty. Pick up the second stitch after the waste yarn, place it on to the second needle and knit it by hand. Transfer the third stitch from the third needle on to the second needle and knit it back by hand. Put it back on to the third needle, leaving the second needle empty. Continue in this way until all the stitches after the waste yarn are picked up and knitted.

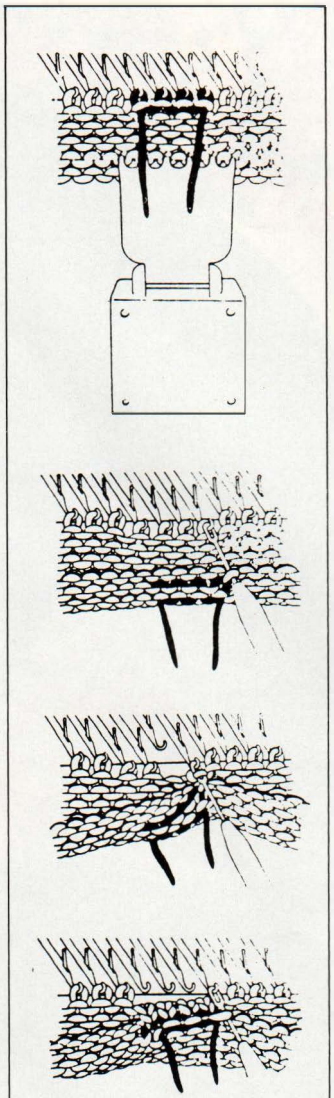


DIAGRAM OF THE SMART BUTTONHOLE
(it helps to hang a small claw weight)

TIDY ENDS

At the end of each buttonhole pick up one extra stitch and put it on to the end needle of the buttonhole and this will prevent a hole from appearing when the buttonhole is finished.

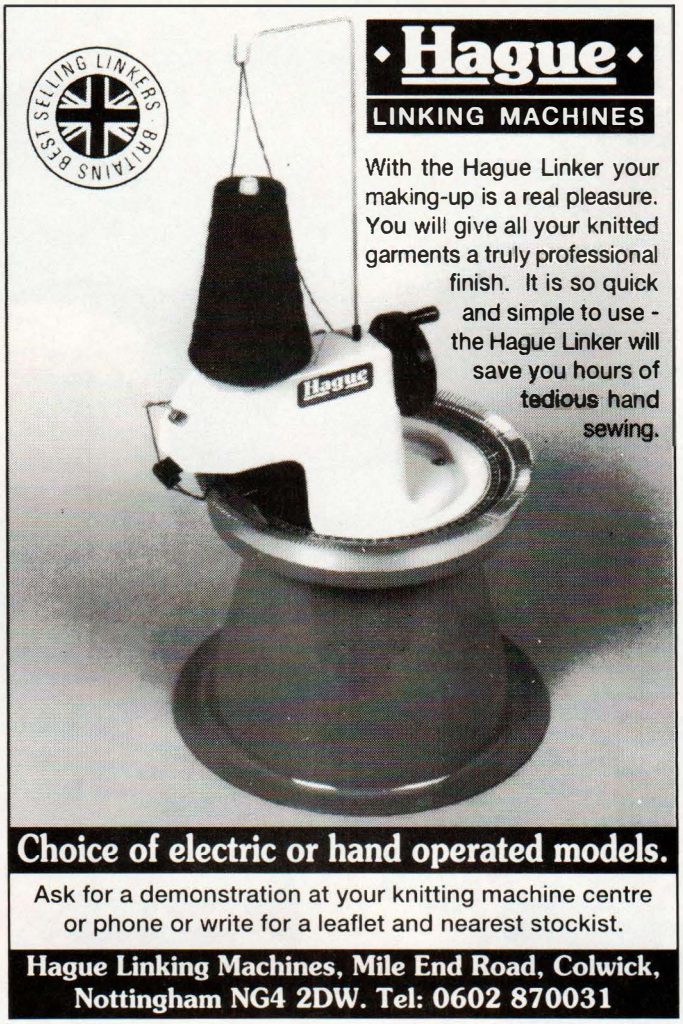
NOW FOR THE EASY PART

Transfer the stitches from between the second row of waste knitting on to the empty needles. Pull out the waste yarn carefully and knit five more rows. Pick up the first row of knitting on to alternate needles only. Knit one row at tension ten and cast off with a latch tool. If you have used method two and picked up the band with the right side facing, you will need to run the work off on to waste yarn and backstitch it down.

EXTRAS

Once you have mastered the basics of bands and buttonholes, there are many variations to the theme that will give your garment that little something extra. For example, you could group the buttons into say, three groups of two instead of six evenly spaced. Six completely different buttons looks good fun – especially on a child's garment. Buttons can be covered in the yarn you have used for the garment. Button bases can be bought quite inexpensively for doing this and the finished result is very smart.

If you have joined the band with the right side facing, it makes an interesting finish to knit the last three rows of the band in a contrast colour and then backstitch down in the same contrast yarn. There are many ways to add interest and style to your button bands and what to some knitters has always seemed a chore, can turn into something quite enjoyable. Planning and careful finishing are the key words.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pattern 8

Sporty stripes

Keep winter chills at bay in this Fair Isle sweater with striking striped ribs, designed for you by Fran Francis in Forsell Pure Wool.

BACK

With carriage at right, set machine for 2x2 rib (2x1 N arrangement). Push 85 [88, 93, 96, 100] Ns at left and 85 [88, 92, 95, 100] Ns at right of centre 0 to WP on each bed. 170 [176, 185, 191, 200] Ns on each bed. Arrange Ns for 2x2 rib (2x1 N arrangement). Using A, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT–5/MT–5, K 15 rows. Using MC, K 8 rows. Using B, K 8 rows. Using MC, K 9 rows. Transfer sts for st st.

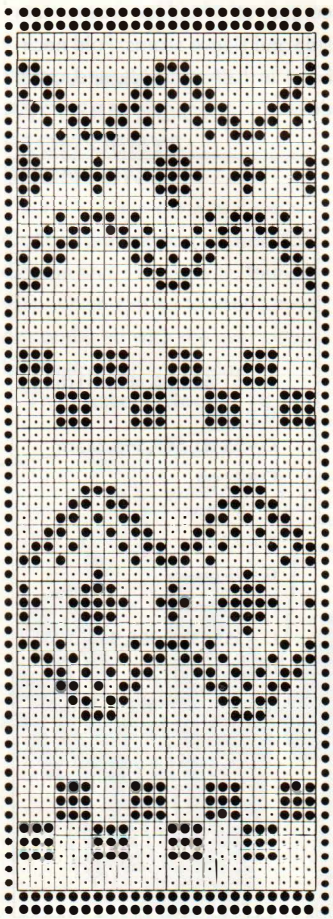
1st and 2nd Sizes

Inc 1 st at each end.

3rd and 4th Sizes

Inc 1 st at right edge.

PUNCHCARD CHART



All Sizes

172 [178, 186, 192, 200] sts. Insert card and lock on third row. Set RC at 000. Using MT, K 2 rows. Release card and cont in Fair Isle patt *. K 200 [200, 206, 206, 212] rows.

Shape Neck

Note patt row on card. Using nylon cord, K 112 [115, 119, 122, 126] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 2 sts at beg of next and foll alt row. 56 [59, 63, 66, 70] sts. K 2 rows. Cast off. With carriage at right, unravel nylon cord over 52 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to *. K 176 [176, 182, 182, 188] rows.

Shape Neck

Note patt row on card. Using nylon cord, K 101 [104, 108, 111, 115] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of every row until 56 [59, 63, 66, 70] sts rem. K 14 rows. Cast off. With carriage at right, unravel nylon cord over 30 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

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PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.
If you don't have a ribber, work ribs in mock rib.

MATERIALS

Forsell's 4-ply Pure New Wool. (Yarn Guide No. 11.)
1 x 500g cone in Ivory (MC).
1 x 500g cone in Shark (A)
1 x 500g cone in Hollyberry (B).

GARMENT WEIGHT

Finished garment in second size weighs 580g.

The fibre content of this yarn is 100% Pure New Wool. For further information about this yarn, please write to the following address:- T. Forsell & Son Ltd., Blaby Road, South Wigston, Leicester LE8 2SG.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

To fit bust 82 [87, 92, 97, 102] cm, 32 [34, 36, 38, 40] in.
Actual size 121 [125, 131, 135, 141] cm, 47½ [49½, 51½, 53½, 55½] in.
Length to shoulder 62 [62, 63.5, 63.5, 65, 65] cm, 24½ [24½, 25, 25, 25½, 25½] in.
Sleeve seam 42 [42, 43, 43, 44.5, 44.5] cm, 16½ [16½, 17, 17, 17½, 17½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 39 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern

K 6 rows MC/A, 4 rows MC only (st st), 6 rows MC/B, 5 rows MC/A, 6 rows MC/B, 4 rows MC only (st st), 6 rows MC/A, 4 rows MC only (st st), 6 rows MC/B, 5 rows MC/A, 6 rows MC/B and 4 rows MC only (st st). These 62 rows form pattern.

pattern 8

Jeans, FREEMANS. Hat, MARKS & SPENCERS. Scarf, DEBENHAMS. Waistcoat, FREEMANS.

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Sporty stripes

◀ 61

SLEEVES

With carriage at right, set machine for 2x2 rib (2x1 N arrangement). Push 74 Ns on each bed at centre to WP. Arrange Ns for 2x2 rib (2x1 N arrangement). Using A, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT–5/MT–5, K 9 rows. Using MC, K 6 rows. Using B, K 6 rows. Using MC, K 9 rows. Transfer sts for st st. Insert card and lock on third row. Set RC at 000. Using MT, K 2 rows. Release card and cont in Fair Isle patt. Shape sides by inc 1 st at each end of next and every foll 3rd row until there are 114 [114, 102, 102, 92] sts, then on every foll 4th row until there are 150 sts. K 0 [0, 4, 4, 4] rows. Cont in st st and MC, K 8 [8, 2, 2, 2] rows. RC shows 140 [140, 144, 144, 149]. Cast off.

NECKBAND

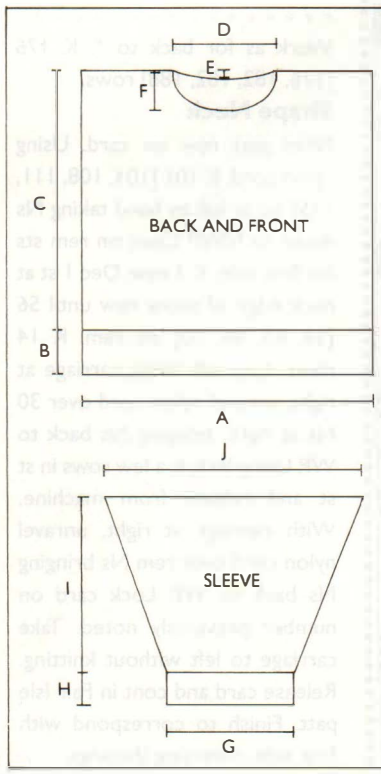
Join right shoulder seam. With carriage at right, set machine for 2x2 rib (2x1 N arrangement). Push 158 Ns on each bed to WP. Arrange Ns for 2x2 rib (2x1 N arrangement). Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT–5/MT–5, K 10 rows. Using B, K 6 rows. Using MC, K 4 rows. Using A, K 4 rows. Using MC, K 4 rows. Transfer sts for st st. K 1 row. With wrong side facing, pick up 158 sts around neck edge and place on to Ns. Unravel WY. Using MT, K 1 row. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join left shoulder and neckband seam. Set in sleeves, matching centre to shoulder seam. Join side and sleeve seams. Fold neckband in half to inside and catch down.



A = 61 [63.5, 66, 68.5, 71] cm
B = 9 cm
C = 53 [53, 54.5, 54.5, 56] cm
D = 21 cm
E = 1.5 cm
F = 7.5 cm
G = 26 cm
H = 6.5 cm
I = 35.5 [35.5, 36.5, 36.5, 38] cm
J = 53.5 cm

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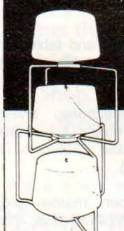

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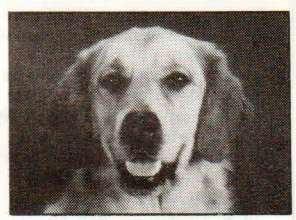

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PASSAP Duo 80, 4-colour changer, Deco, U70, punchcards, blank cards and punch, £345; New Hague linker, £125. Tel: 061-432 7608 (Stockport).

BROTHER KH881 punchcard machine, intarsia carriage, wool winder, many patterns, mint condition, many yarn spools. Sale due to bereavement, £100. Tel: 0932 345362 (Byfleet).

TOYOTA KS901 knitting machine, plus ribber, tilt table, lace carriage. Many extras, excellent condition, must sell, will separate, £280 ono. Tel: 051-920 9287 (Liverpool).

TOYOTA KS901 knitting machine and table, £150. Tel: 0582 492001 (Luton).

KNITMASTER 700K, instruction manuals, hardly used. Built-in Knit Radar and intarsia. Does weaving, slip and tuck, £175 ono. Tel: 0865 716172 (Oxford).

BROTHER KH881 knitting machine with lace carriage. Basic paper patterns for use with Knitleader. Instruction books and knitting table, £165. Tel: 0964 622777 (Nr Hull).

BROTHER KH891 with lace carriage and accessories, £275 ovno. Tel: 0793 531785 (Swindon, Wilts).

BROTHER KH881 built-in Knitleader, lace carriage, KR850 ribber, KA8300 transfer carriage, 8-way tension mast, all instruction books, many extras, £425. Tel: 0786 464182 (Stirling).

BROTHER KH890 knitting machine, lace carriage, many punchcards, punch and table. Excellent condition, £200 ono. Tel: 0829 733858 (Tarporley).

LACE carriage for Brother KH830, £30; Intarsia carriage for Brother KH830, £25; Intarsia yarn brake, £8. Tel: 0993 705966 (Witney, Oxon).

KNITMASTER KR6 Knit Radar, instruction tape and children set patterns, £25. Tel: 03552 34745 (East Kilbride).

KNITTING Techniques book, basic and advanced Brother, £7. Tel: 081-308 0914 (Sidcup, Kent).

BROTHER 230 chunky knitting machine and ribber, as new, £225. Tel: 0255 552457 (Harwich).

BROTHER 836 lace carriage, linker, table, punchcards and yarn, as new, £170. Tel: 0255 553709 (Harwich).

KNITMASTER 700 includes Knit Radar, intarsia, lace carriage, patterns, instruction manuals, tools. Excellent condition, gone electronic, £300 ono. Tel: 0900 826484 (Cockermouth).

BROTHER 830 ribber plus covers, £100; New intarsia carriage plus pattern book, £25; Tilt table, £18. Tel: 0633 421638 (Caerleon).

BROTHER KH830 plus KR830 ribber, lace carriage, punchcards, instruction manuals, £375; KHC820 s/bed colour changer, £65. Tel: 0209 831648 (Camborne).

BROTHER FB100 disk drive, £100; Brother G88 garter carriage, £180. Both good condition. Tel: 051-639 3563 (New Brighton).

SINGER 2310 electronic, instruction tapes, table. Excellent condition, space needed, £280. Tel: 0531 650435 (Redmarley, Glos).

BROTHER KH260 chunky knitting machine punchcard, intarsia carriage, Knitleader KL116, table. All as new, £350 ono. Tel: 0278 685518 (Bridgwater).

FOR SALE

BROTHER garter carriage KG88 with books, use with KG910 Mark II electronic. Hardly used, in box, £185. Tel: 0252 723410 (Farnham).

PFAFF 6000E, colour changer E100, instruction manuals, video, books, Mini Mathis linker, wool winder. Excellent condition, £950. Tel: 0202 765899 (Bournemouth).

PFAFF electronic 6000E, excellent condition, hardly used, with automatic 4-way colour changer, cabinet attachment for patterns, tools, etc., £1,250. Tel: 0293 531522 (Crawley).

LINKER electric Toyota, little used, ill health, £175. Tel: 0304 823886 (Dover).

PASSAP Duo 80 with motor and U70. Hardly used, excellent condition, £450 for quick sale. Tel: 0923 662060 (Watford).

BROTHER KH900 Electroknit, complete with instruction video, manual, etc., £325 ono. Tel: 0252 543284 (Farnborough, Hants).

HAGUE linker electric plus video, £160. Tel: 0460 76528 (Yeovil).

KNITMASTER 360 with lace carriage, intarsia carriage, roll of punchcard and punch, £200. Tel: 0580 712088 (Cranbrook).

KNITMASTER 500 electronic with built-in radar, good working order, manuals, mylar sheets, intarsia carriage, extra tuition given, £250. Tel: 0705 581834 (Gosport).

BROTHER KH710 standard gauge with lace carriage and instruction manual, as new, £60. Tel: 0438 356987 (Stevenage).

BROTHER 890 punchcard machine with lace carriage, hardly used, £155, plus manuals. Tel: 0489 572400 (Southampton).

CHUNKY knitting machine Knitmaster 155, practically unused, extras including ribber, Knit Radar, books. Bargain at £400. Tel: 0623 29022 (Mansfield).

PFAFF Duo 80, form computer, 4-colour changer, Deco, U80, etc., £350. Tel: 0892 668079 (Nr Tunbridge Wells).

BROTHER KH950i electronic, excellent condition, complete with lace carriage, manuals, £650 ono. Tel: 0952 506206 (Telford).

BROTHER 836 punchcard with ribber, fully motorised on stand, many extras, in mint condition, will demonstrate, all manuals included, £500. Tel: 0304 824064 (Dover).

JONES Brother KH860 knitting machine with KH850 ribber, £250. Tel: 0902 846787 (Wolverhampton) after 6 pm any evening.

COLOUR changer, double bed for Brother 830 ribber, NEW, £50 ono, two sets of punchcards included. Tel: 0272 568947 (Bristol).

SILVER REED 840 electronic, SRP60, EC1, PE1, lace carriage, KR11, YC6, RJ1 jacquard carriage. Whole package £1,200, a bargain. Tel: 081-363 8144 (Enfield).

BROTHER 940 electronic with Knitleader, lace carriage and PPD120, boxed, as new, hardly used, £650 ono. Tel: Heanor 719777 (Derbyshire).

PASSAP Duo 80, 4-colour changer, Deco, U80, extras, £200; Knitmaster 360, ribber, lace carriage, punchcards, bargain, £200. Tel: 0533 856041 (Leicester).

BROTHER 890 punchcard machine, lace carriage, video, etc., £175 ono; Ribber 850 Brother, £125. Tel: 081-443 4965 (Enfield).

PASSAP Duo 80, Toyota KS901, Brother KH260, Hague linker, ribbers, many extras. Genuine offers, owner emigrating. Tel: 021-422 4407 (Birmingham).

KNITMASTER 700K, ribber, teaching tapes, £400; Lace carriage, £125. Boxed. Selling because of ill health. Tel: 081-337 2563 (Epsom).

KNITMASTER YC5 colour changer for sale, £45. Tel: 091-266 2654 (Newcastle Upon Tyne).

FOR SALE

PASSAP 6000 electronic, stand on castors, 4-colour changer, 3000A motor, video, books, little used, £1,095. Tel: 0924 368510 (Wakefield).

BROTHER KH891 built-in Knitleader, lace carriage, includes table and extra punchcards, instruction book, vgc, £250 ono. Tel: 0253 56402 (Blackpool).

SIMPLEFRAME hand knitting frame, model No 96, 48 needles per bed, £25. Tel: 0732 457930 (Sevenoaks).

PASSAP Duomatic 80, double bed, transfer lock U70, stand, 4-colour changer, also Jac (punchcard), spool winder, instruction booklets. Must sell, all offers considered. Tel: 0686 420423 (Newtown, Mid Wales).

BROTHER 836 knitting machine, manual, punchcards, excellent condition, £150. Tel: 0273 597661 (Southwick).

BROTHER KH260 chunky with ribber, £500; Knitleader, £60. Tel: 0793 723142 (Swindon).

BROTHER KH891 punchcard knitting machine with Knitleader, lace carriage, punchcards, card punch, KA8310 linker, £400. Wanted, Hague linker. Tel: 0604 416184 (Northampton).

BROTHER 950i electronic knitting machine with many extras, £550; Brother 850 ribber, £125; Hague linker with pointguard, £125. All excellent condition. Tel: 0744 884831 (Rainford, M'side).

BROTHER convertible KX395 complete with video, manual, Knitleader, brackets, needle selector. New, never used, £150. Tel: 0945 61157 (Wisbech).

BROTHER KH260 chunky knitting machine, good condition, £325. Tel: 021-744 3539 (Shirley, Solihull).

COLLECTION of craft books, hard-back, mint condition, knitting, crochet, applique, macrame, needlepoint, dressmaking, Fair Isle, etc. Sad parting, visually disabled, cost £200, bargain £65. Tel: 081-460 5354 (Bromley).

PASSAP Duo 80, stand, 4-colour changer, Deco, punchcards, U70, new condition, £400 ono. Tel: 0243 604763 (Chichester).

TOYOTA 901, ribber, lace carriage, tilt table, punch, Knit Tracer, instruction manuals, cards, books, etc., £250. Tel: 031-445 3152 (Edinburgh).

BROTHER KH260 chunky machine plus ribber, tilt table, superb condition. Bargain, £495. Tel: 0753 653938 (Slough) or 0643 707012 (Minehead).

GARTER carriage KG88/II, hardly used, in original box, £160; Brother automatic linker, £45. Tel: 0273 585094 (Peacehaven).

BROTHER KH891 punchcard machine, punch and cards, Knitleader, colour changer, intarsia carriage, table, yarn winder, some yarn, storage ladder, books, £350 ono. Tel: 071-624 6374 (London NW6).

BROTHER 710, new ribber 710R, lace carriage, manuals, book of patterns. Knits beautifully, plus accessories. Space needed, £80 ono. Tel: 0440 820166 (Newmarket).

KNITMASTER 360KL, lace carriage, SRP50 ribber with table, many accessories, books, wool, £280. Tel: 0494 441840 (High Wycombe).

SINGER 2310 Memomatic, requires servicing, hence price, £170. Includes full instructions with tapes, video, intarsia carriage. Tel: 0522 720342 (Lincoln).

TOYOTA 950 with ribber, lace attachment, colour changer, intarsia carriage, punchcards, Knit Tracer, wool winder, videos, £400. Also Horn cabinet, £100. Tel: 0895 635698 (Ruislip).

KNITMASTER Zippy Plus punchcard machine, good condition, instruction book, accessories, extra punchcards and patterns. Illness causing sale, bargain, £180. Tel: 0952 660294 (Telford).

FOR SALE

TOYOTA 901 with lace carriage, instruction manual, punchcards and spare roll, punch, good condition, £99. Tel: 0257 792207 (Coppull, Lancs).

PASSAP Duo 80 Form computer unused, £60. Tel: 0242 239113 (Cheltenham).

KNITMASTER HK160 punchcard knitting machine with instructions, audio tape and punchcards. Loves double knit yarns, £80. Tel: 021-604 4797 (Birmingham).

BROTHER KH950i electronic knitting machine, 555 built-in patterns, complete with lace carriage, vgc, £450. Tel: 061-437 7413 (Manchester).

TOYOTA 901 with 506 ribber, lace carriage, punchcards, manuals, easy Motif and SimulKnit facility, as new condition, £300. Tel: 0474 352577 (Gravesend).

BROTHER KH830 punchcard knitting machine, complete with lace carriage. Also linking machine, table, wool winder, patterns, all in excellent condition, £135. Tel: 0745 827205 (Abergele, N Wales).

WANTED

FASHION Knit Course Outline by Regine Faust. Tel: 091-378 0083 (Durham).

BROTHER KG88 garter carriage and standard garter bar, reasonable price. Also required Hague linker. Tel: 0832 735295 (Thrapston).

KL116 Knitleader, reasonably priced, please. Tel: 0263 860131 (Holt, Norfolk).

INSTRUCTION manual for a Swiss Knitter machine. Tel: 091-414 5107 (Blaydon).

NEW HOME Memory Craft 8000CE sewing machine with scanner. Tel: 0706 220233 (Rawtenstall).

BROTHER 950i, PPD, garter carriage K95 or K93, by pensioner. Sensible price, please. Tel: 0529 60105 (Heckington, Lincs).

SECONDHAND cheap intarsia carriage for Brother KH830. Tel: 081-399 8617 (Surbiton).

KR830 ribber wanted, good condition, I will pay postage. 22 Montserrat Road, Bolton, BL1 5TU.

ELNA Supermatic sewing machine, 1952-1964 model. Will collect West Country. Tel: 0749 677822 (Wells, Somerset).

BROTHER KG88-MkII garter carriage. Tel: 0752 812264 (Plymouth).

KNITMASTER ribber SRP50 or similar, to fit 326 machine. Tel: 0446 734654 (Barry) evenings or later.

KNITTING lessons on Brother KH864 wanted in Peterborough or Cambs area, please. Tel: 0733 64014 (Peterborough).

SWAP

BROTHER 950i, 850 ribber, Knitleader, mylar sheets, books, quantity of yarn, for Newholme Memory Craft 8000 Super Galaxie Pfaff Creative. Tel: 0793 430470 (Swindon).

KNITMASTER 302 and 323 for chunky machine with ribber. Tel: 0779 71496 (Peterhead).

SK740 built-in Knit Radar, punchcard, ribber, table, for chunky machine with punchcard, intarsia carriage. Ribber not important. Tel: 0206 271250 (Colchester, Essex).

BROTHER electronic KH910 in part exchange for Pfaff 6000, or will buy at reasonable price. Tel: 0845 525960 (Thirsk).

ABBREVIATIONS

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g = grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MT = main tension
MT−1, MT−2, MT−3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn

YARNS

Yarns used for our patterns are matched to this guide for thickness. If you want to use a different yarn and, especially for readers overseas who may not be able to buy the originals, choose a yarn of the same thickness. If you do use a different yarn here are a few tips.

Firstly, your garment is likely to be more successful if you use a very similar yarn so look for slubbed cotton for slubbed cotton, acrylic for acrylic, wool for wool and so on. A change of fibre is perfectly possible but requires even more care in checking tension, quantity and, above all, suitability in the resulting 'feel' and 'hang' of the knitted fabric.

To compare yarns, hold the proposed substitute over the guide and stretch it out until it is just taut, not pulled tightly. A good match should fit the guide lines closely.

Now that you have a suitable yarn, how much do you buy? Whenever possible buy the yarn by length rather than weight as different fibres and treatments can vary the weight of yarns a great deal. A 500 gram cone of airy acrylic would have many more metres or yards of yarn on it than a 500 gram cone of much denser cotton.

After matching the tension, the garments in the original and substitute yarns would have much the same number of stitches knitted throughout and therefore need much the same yarn length. When you cannot discover the length on the cone it is best to err on the generous side whilst using your previous experience to decide how many cones you would expect the garment to take.

It is possible to work out the length required for a garment by measuring the length used for a tension square and calculating the total area of the garment from the diagram but I think you would need to be addicted to mathematics to find this wortnwhile.

Having bought your yarn, experiment until you have matched the original tension. To achieve the best 'handle' it may be necessary to vary the number of stitches or rows a little. This is no problem if you are using a charting device but will require extra calculation if you want to follow the written pattern where the numbers stated for rows and stitches will not now apply.

If all this sounds like too much trouble, take care. You could be lucky and knit a perfect garment in the first yarn that comes to hand but you could also be badly disappointed. Time is precious to all of us so it is worth 'wasting' a little to avoid wasting a lot. You will be rewarded by a successful result.

MOCK RIB

Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber.

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non-working position for a 1×1 rib or every third needle back to non-working position for a 2×1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern.)

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib. Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line.) Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non-working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

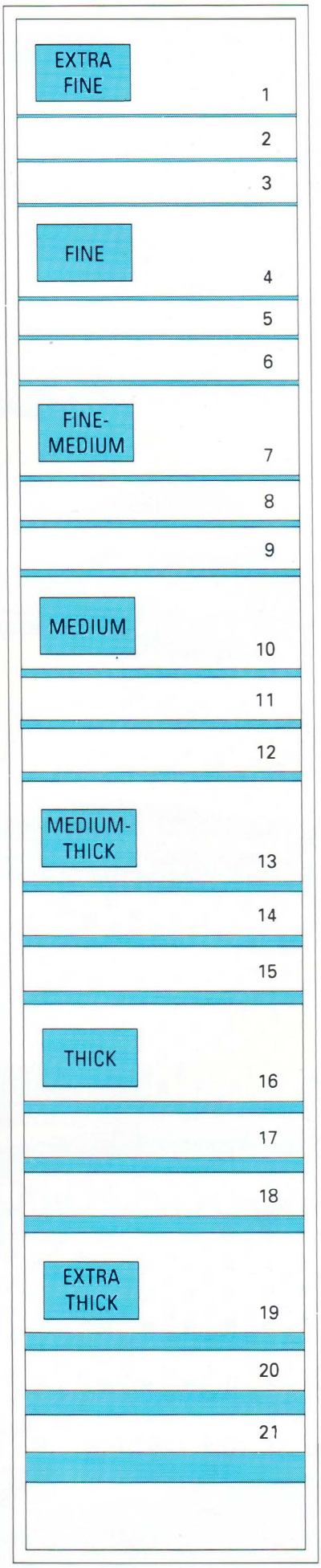
QUICK CAST-ON

This method can be used for both speed and when edges are either hidden or to be gathered by pulling up yarn end.

Carriage at right. Push alt Ns to WP. Use tension dial setting and either MY or WY as given in pattern. K1 row. Hook on cast-on comb. Push rem alt Ns into WP. K1 row. Carriage back at right. Cont as given in pattern instructions.

When knitting is removed from machine, pull yarn end at cast-on edge to gather up sts or, for a straight edge, pull yarn end to remove any slack and fasten off. See pattern for which is required. Your manual will describe this method of casting on although it may be called by a different name and may not use a cast-on comb.

YARN GUIDE



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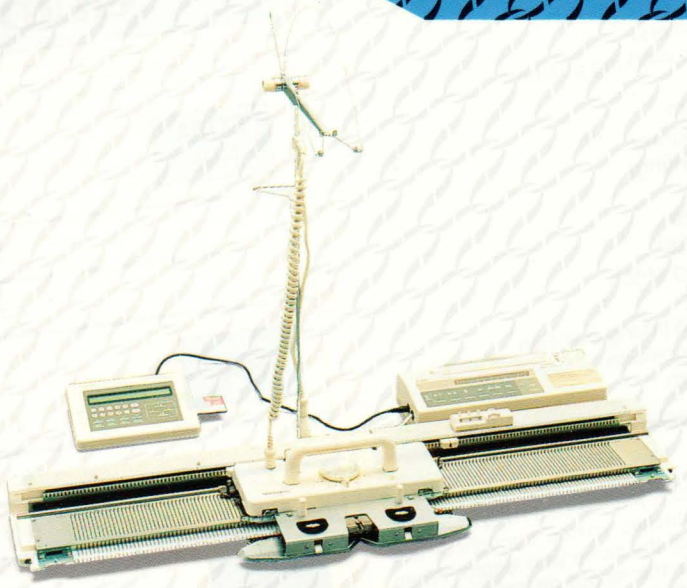
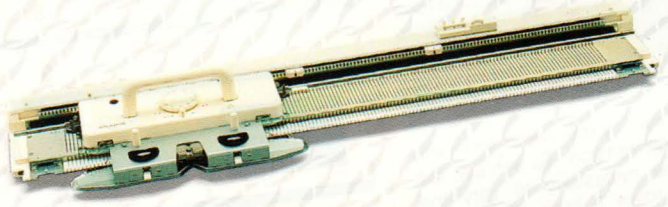
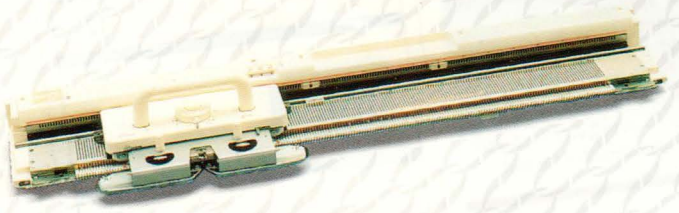
The Silver Modular Electronic Knitting System is based on four easy-to-change and whisper-quiet beds of the highest quality. So you'll be able to set just the right gauge and tension for any yarn - and each gives you a wide range of stitch options at the touch of a single lever. Attachments permit even greater stitch and pattern variety. And as the beds and attachments are each sold separately, you buy only as you need to.



SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair



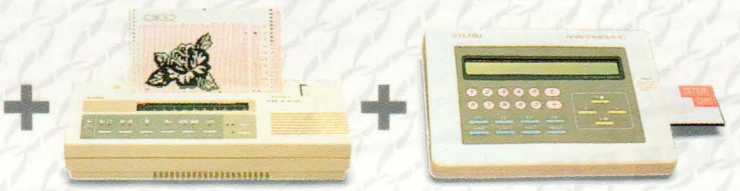
SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply

SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

The Silver EC1 Pattern Controller gives you great flexibility.

Just one is needed for all four beds. Use any of the 50 pre-printed designs - or draw your own on easy-to-use pattern cards. Cards and books from previous models are also compatible. Additionally, you can vary your patterns at the touch of a button: from doubling the height to changing single bed patterns into Double Jacquard designs and more.
And the second Stitch Width Indicator lets you select any part of a pattern to create extra designs - with no programming required.

Silver EC1 *Pattern Controller*



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